

The background is a dense, repeating pattern of various electronic components in white and yellow on a black background. These components include integrated circuits (chips), capacitors, resistors, and connectors, all rendered in a simplified, icon-like style.

# Overled

| What's next? |

# Product

Catalog 2022



ELETTRONICA®

MADE IN ITALY

---

01



**DDS**

*Every project deserves the best solution possible. Or impossible*

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05



**OverFLEXI**

*Flexible led strip led IP00*

28



**CUSTOM OverFLEXI**

*Customized strip led according to the customers specifications*

29

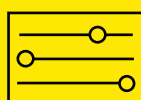


**ACCESSORIES**

*Aluminum channels and power supply*

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31

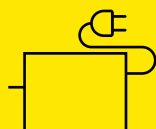


**DRIVER&CONTROLLERled**

*Power Supply with dimming solution  
DMX/RDM controllers able to dim  
and control Strip led*

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63



**POWER SUPPLY**

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# Overled

*Overled did not appear from nowhere.  
It was created by DDS Elettronica of Modena,  
in Italy.*

*This is where we design, prototype, test,  
fine-tune and produce all our technologies.  
Since 1992.*

*Overled was created in 2002.  
Since then, LED lighting has become our  
speciality.*

*Our Modena headquarters is the  
manufacturing and research facility  
that dictates the future of LED lighting.*

Overled non appare dal nulla,  
nasce da DDS Elettronica che ha sede  
a Modena, in Italia.

Qui progettiamo, prototipiamo, testiamo,  
mettiamo a punto e produciamo ogni nostra  
tecnologia. Dal 1992.

Nel 2002 è nata Overled.  
Da allora l'illuminazione LED è diventata la  
nostra specialità.

E la sede di Modena è il centro produttivo  
e di ricerca dove nasce il futuro  
dell'illuminazione LED.



# COMPLETE CYCLE OF CERTAINTIES

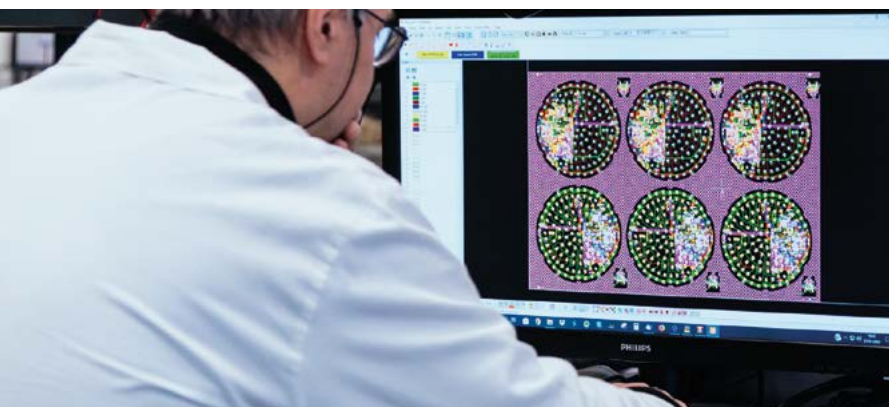
| CICLO COMPLETO  
DI CERTEZZE |

*Design, prototyping,  
pre-compliance EMC tests and commissioning.*  
**The entire design and production process  
is carried out in Italy, at the headquarters in  
Modena.**

*Design of master electronics and hardware  
with latest generation 3D CAD.  
Mechanical design of the board or electronic  
subset with 3D CAD.  
Rapid prototyping to consign test samples  
to the customer very quickly.  
We develop the master and write the wiring  
diagram.  
**100% made in DDS, Italy.***

Progettazione, prototipazione,  
test EMC pre-compliance, messa a punto.  
**Tutto il processo di progettazione e  
produzione avviene in Italia, nella sede di  
Modena.**

Progettazione elettronica master e hardware  
con CAD 3D di ultima generazione.  
Progettazione meccanica della scheda  
o sottoinsieme elettronico con CAD 3D.  
Prototipazione rapida per consegnare al cliente  
campioni di test in tempi brevi.  
Sviluppo master e stesura schema elettrico.  
**100% made in DDS, Italy.**



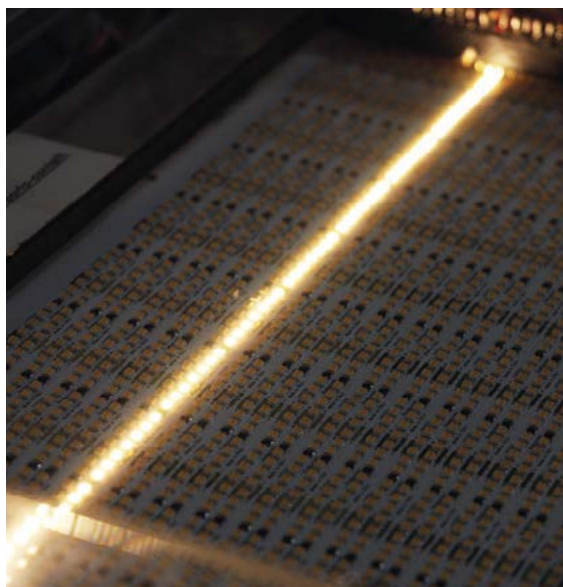
## VERIFICATION, TESTING AND CERTIFICATION

VERIFICHE,  
CONTROLLI E  
CERTIFICAZIONI



*The boards produced can be type-approved according to the customer's specific requirements (for example the UL marking). Functional tests and thermographic analysis of the electronic board:*

- to guarantee excellent qualitative standards
- to supply all the information related to the thermal management of the equipment.



Le schede prodotte possono essere omologate secondo specifica richiesta del cliente (ad esempio la marcatura UL). Test funzionali e verifiche termografiche della scheda elettronica:

- per garantire standard qualitativi di eccellenza
- per fornire tutte le informazioni relative alla gestione termica dell'apparecchio.



MM

www.Overled.com

E193078

® 4V-0

B R G +  
B R G +

B R G +  
B R G +

194V-0

194V-0



SCAN TO SEE ALL  
PRODUCTS



# OverFLEXI

OVERLED FLEXI helps to improve the ambient lighting thanks to the quality of its light that come from design and production 100% Made in Italy, attention to details and high quality of components used.

OVERLED FLEXI reach more than 5000 lm/mt as well as a high color rendering up to CRI>95 with R9 controlled R9>80. Small dimensions (from 5,5 mm width) allows the use in applications that required limited space.

With new OVERLED FLEXI SILICONE we are able to offer linear light protected against environmental influences, can be provided in customized lengths with Input/Output cable and connectors. RGB, RGB with DMX Embedded, SPI, RGBW and Silicone IP complete the OVERLED FLEXI product range.

OVERLED FLEXI aiuta a migliorare l'illuminazione ambientale grazie alla qualità della sua luce che deriva da una progettazione e produzione 100% Made in Italy, attenzione ai dettagli e ad un utilizzo di componenti di alta qualità. OVERLED FLEXI può superare i 5000 lm/mt con alti indici di resa cromatica CRI>95 e R9 controllati R9>80. Le piccole dimensioni (da 3,5 mm di larghezza) consentono l'uso in applicazioni che richiedono spazi limitati.

Con la nuova versione OVERLED FLEXI SILICONE possiamo offrire strip con protezione IP e può essere prodotta in lunghezze su richiesta con connettori ingresso/uscita XX. RGB, RGB con DMX a bordo, SPI, RGBW e SILICONE IP completano la gamma di OVERLED FLEXI.

## HOW TO FILL IN THE PRODUCT CODE?

1 - code to be completed

DDS835\_ K\_ CRI

2 - the item (K) is indicated in the temperature options indicated with the icon★:

DDS835\_4K\_ CRI

3 - the item (CRI) is indicated in the second row of the optical table indicated with the icon▲:

DDS835\_4K\_80CRI

## PRODUCT FEATURES



Cuttable



Strip length



Power per meter



Constant current control on board



Voltage Input



Type of LEDs used



Gold plated PAD



Energetic class



Energy Lm/W

CRI

Color rendering index

R9

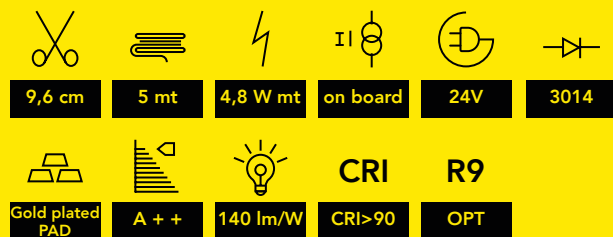
R9 controlled

DMX/  
RDM

DMX on board

# DDS552

DDS552\_ K\_ CRI



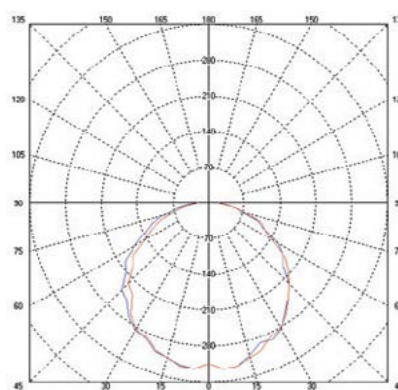
DDS552 is a 4,8 W meter led strip with 70 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	1
Total power	W	24
Current per meter	A	0,2
Power per meter	W	4,8
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25°C PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



unit						typical
ELECTRICAL						
Led per meter					73	
Led model					3014	
Color rendering index (MIN)					CRI▲	>90
Light emission angle					120	
	unit	2700k°	3000k°	4000k°	5000k°	
Luminous flux per meter	lm/mt	560	610	660	670	
H421 - @25°C						
R9 - @ 25° C						

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	5,5
Lenght	mm	5000
Cutting unit	cm	9,6
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100





# DDS746-A-L

DDS746-A-L\_ K\_ CRI



11 cm



5 mt



5 W mt



on board



24V



3014



Gold plated  
PAD



A + +



134 lm/W

CRI

R9

CRI>90

OPT

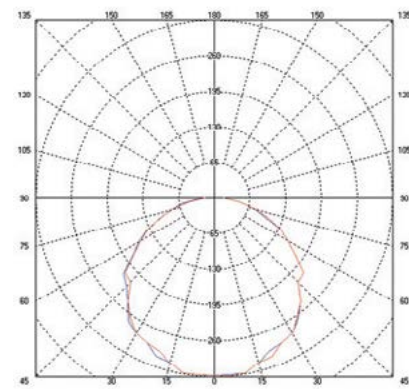
DDS746 is a 5W meter led strip with 63 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	1,04
Total power	W	25
Current per meter	A	0,21
Power per meter	W	5
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



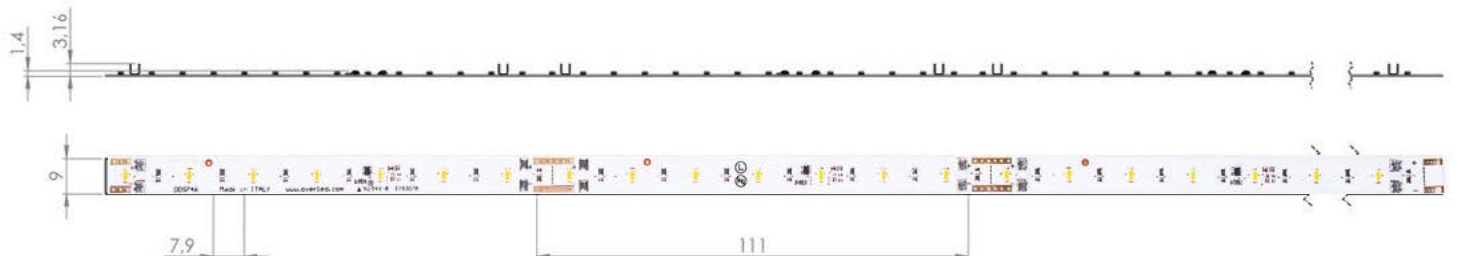
## ★ TEMPERATURE OPTIONS

2K7

3K

4K

5K

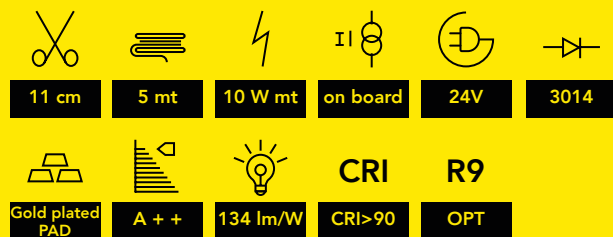


	unit	typical			
ELECTRICAL					
Led per meter		63			
Led model		3014			
Color rendering index (MIN)	CRI ▲	>90 r9=80			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	560	610	660	670

	unit	typical
<b>MECHANICALS</b>		
Width	mm	9
Length	mm	5000
Cutting unit	mm	112,6
<b>Max</b>		
Pull Force	N	1
Pulling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

# DDS746A

DDS746-A\_ K\_ CRI



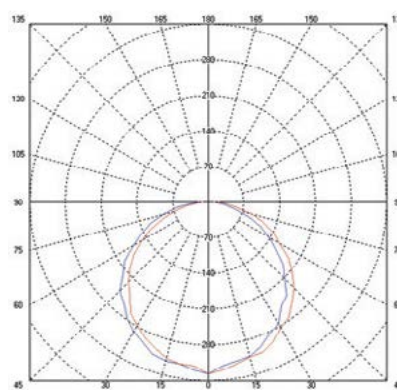
DDS746 is a 10W meter led strip with 126 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

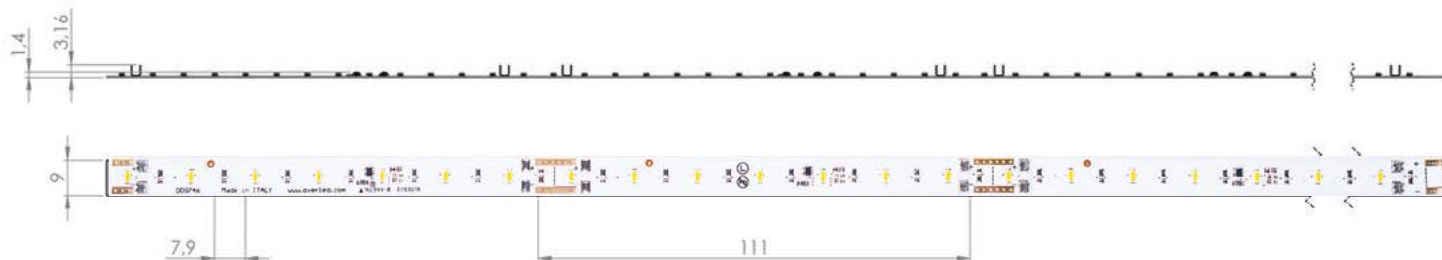
	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	2,08
Total power	W	50
Current per meter	A	0,416
Power per meter	W	10
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS

2K7  
3K  
4K  
5K



	unit	typical
<b>ELECTRICAL</b>		
Led per meter		126
Led model		3014
Color rendering index (MIN)	CRI▲	>90
Light emission angle		120
	uni	2700k° 3000k° 4000k° 5000k°
Luminous flux per meter	lm/mt	1120 1220 1320 1340

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	9
Lenght	mm	5000
Cutting unit	mm	112,6
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS835

DDS835\_ K\_ CRI



10 cm



5 mt



10 W mt



on board



24V



2835



Gold plated  
PAD



A + +



130 lm/W

CRI

80-90

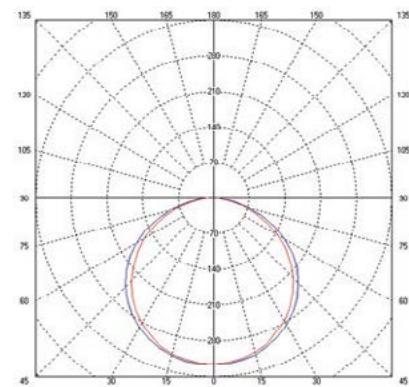
DDS835 is a 10W meter led strip with 70 led 2835 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	2,1
Total power	W	50,5
Current per meter	A	0,42
Power per meter	W	10
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



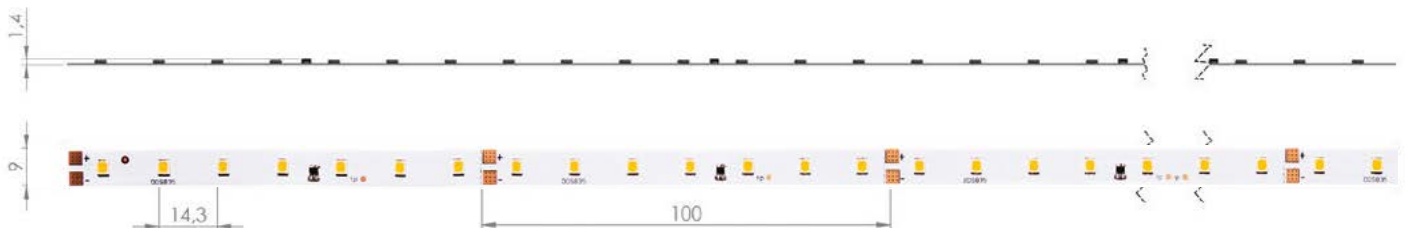
## ★ TEMPERATURE OPTIONS

2K7

3K

4K

5K

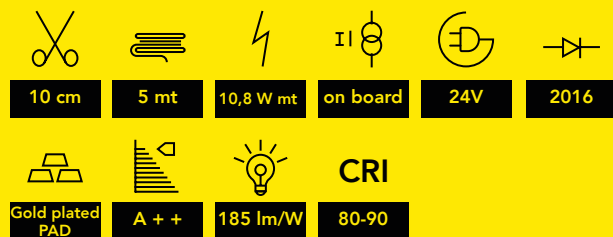


					unit	typical
ELECTRICAL						
Led per meter						70
Led model						2835
Color rendering index (MIN)					CRI▲	80-90
Light emission angle						120
		unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter 80		lm/mt	1120	1230	1280	1300
Luminous flux per meter 90			930	1030	1080	1100

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	9
Lenght	mm	5003
Cutting unit	mm	100
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

# DDS763

DDS763\_ K\_ CRI



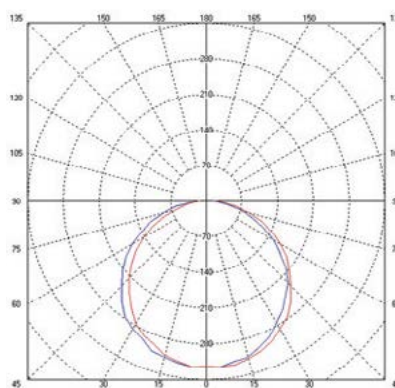
DDS763 is a 10,8W meter led strip with 70 led 2016 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

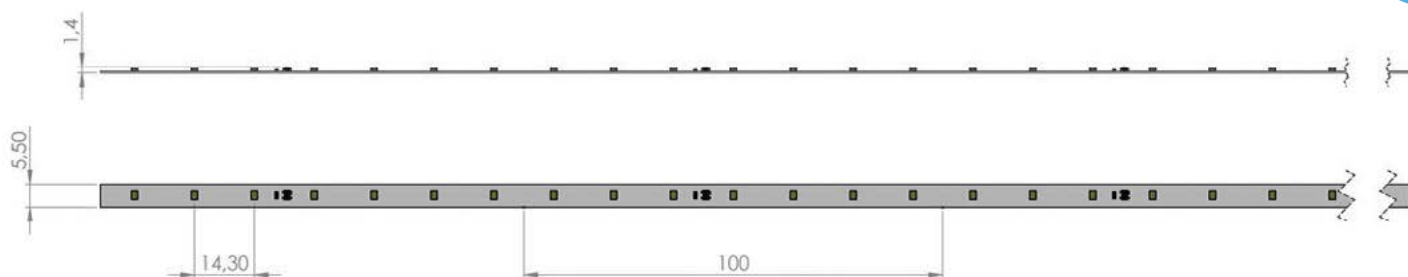
## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	2,3
Total power	W	55,2
Current per meter	A	0,46
Power per meter	W	10,8
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	typical			
ELECTRICAL					
Led per meter		70			
Led model		2016			
Color rendering index (MIN)	CRI▲	80/90			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter 80	lm/mt	1600	1750	1960	2000
Luminous flux per meter 90	lm/mt	1350	1470	1610	1630

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	5,5
Lenght	mm	5000
Cutting unit	mm	100
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS535

DDS535\_ K\_ CRI



3,3 cm



5 mt



14,4 Wmt



on board



24V



3014



Gold plated  
PAD



A + +



134 lm/W

CRI

R9

CRI>90

OPT

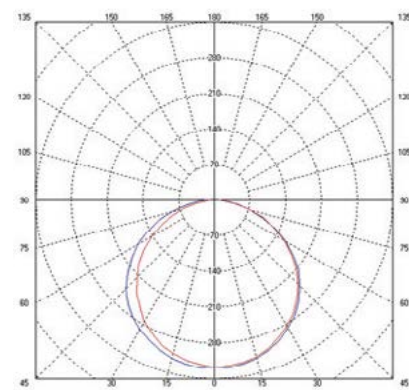
DDS535 is a 14W meter led strip with 210 led 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	3
Total power	W	72
Current per meter	A	0,6
Power per meter	W	14,4
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS

2K7

3K

4K

5K



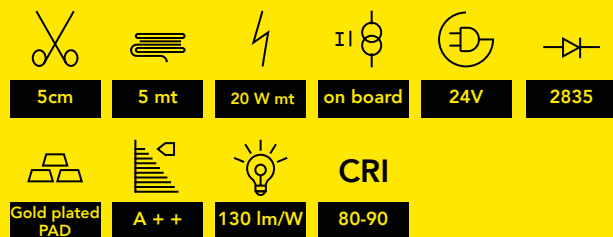
	unit	typical			
ELECTRICAL					
Led per meter		210			
Led model		3014			
Color rendering index (MIN)	CRI▲	>90			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	1620	1770	1920	1940

	unit	typical
<b>MECHANICALS</b>		
Width	mm	5,5
Length	mm	5000
Cutting unit	mm	33,3
<b>Max</b>		
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS605

DDS605\_ K\_ CRI



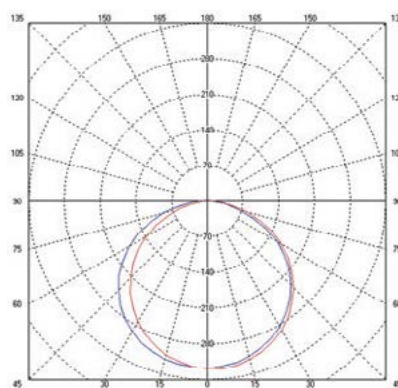
DDS605 is a 20W meter led strip with 140 led 2835 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

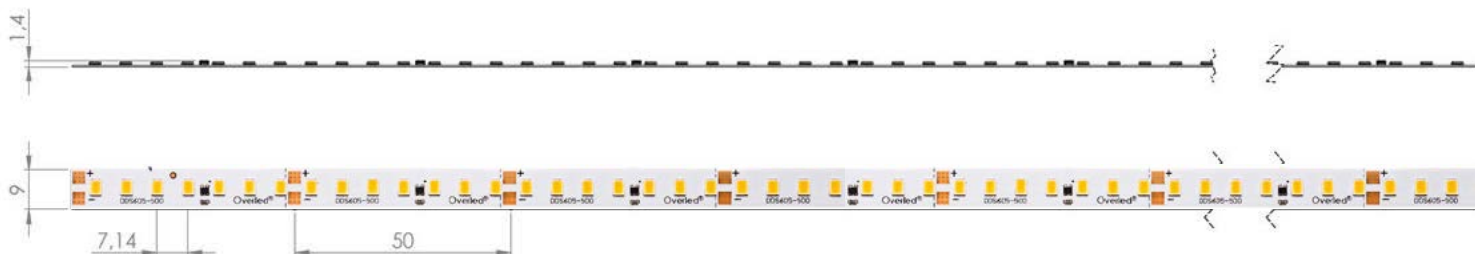
## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	4,2
Total power	W	100
Current per meter	A	0,82
Power per meter	W	20
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



					unit	typical
ELECTRICAL						
Led per meter						140
Led model						2835
Color rendering index (MIN)					CRI▲	80/90
Light emission angle						120
	unit	2700k°	3000k°	4000k°	5000k°	
Luminous flux per meter 80	lm/mt	2240	2460	2560	2600	
Luminous flux per meter 90	lm/mt	1860	2060	2160	2200	

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	10
Lenght	mm	5000
Cutting unit	mm	110
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS552-SIDE

DDS552-SIDE K<sub>-</sub> CRI



9,6 cm



5 mt



4,8 Wmt



on board



24V



3014side



Gold plated  
PAD



A + +



100 lm/W

CRI

CRI>80

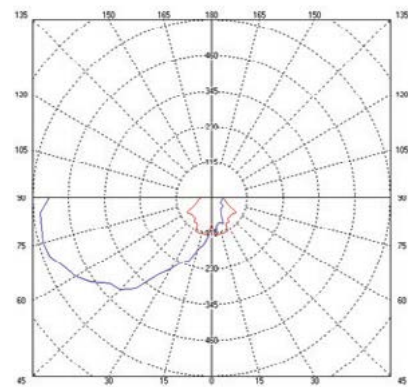
DDS552-side is a 4,8W meter led strip with 70 led 3014 side per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	1
Total power	W	24
Current per meter	A	0,2
Power per meter	W	4,8
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



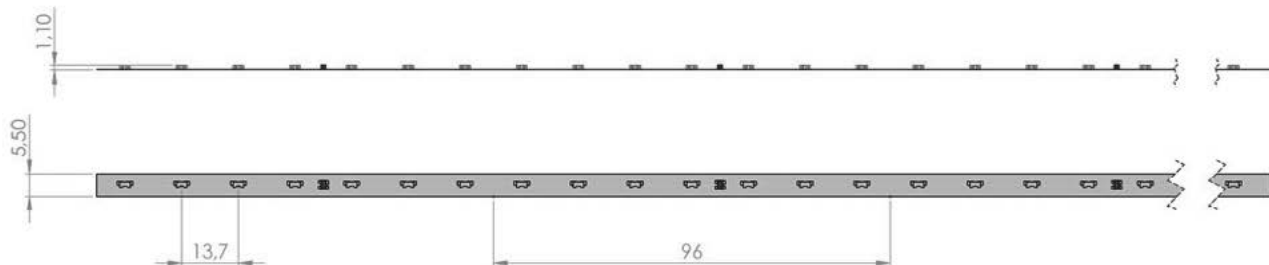
## ★ TEMPERATURE OPTIONS

2K7

3K

4K

5K

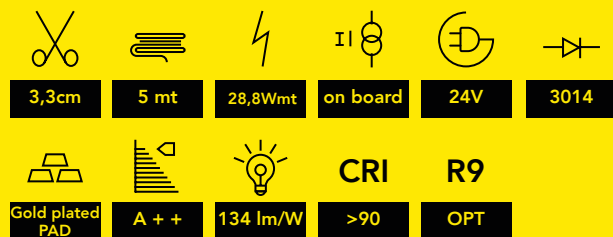


	unit	typical			
ELECTRICAL					
Led per meter		70			
Led model		3014 side			
Color rendering index (MIN)	CRI▲	80			
Light emission angle		120 side			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	420	430	440	480

	unit	typical
<b>MECHANICALS</b>		
Witdh	mm	5,5
Lenght	mm	5000
Cutting unit	mm	90,6
<b>Max</b>		
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

# DDS817

DDS817\_ K\_ CRI



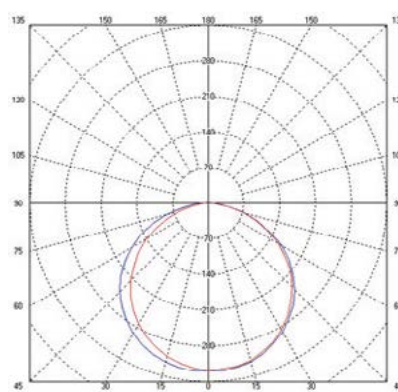
DDS817 is a 29W meter Tunable White led strip with 210 leds 3014 + 210 leds 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	6
Total power	W	144
Current per meter	A	1,2
Power per meter	W	28,8
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	typical
<b>ELECTRICAL</b>		
Led per meter		210+210
Led model		3014
Color rendering index (MIN)	CRI▲	>90
Light emission angle		120
	unit	2700k° 3000k° 4000k° 5000k°
Luminous flux per meter	lm/mt	3160 3450 3730 3780

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	10,5
Lenght	mm	5000
Cutting unit	mm	333
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS551

DDS551\_ K\_ CRI



3,3cm



5 mt



28,8Wmt



on board



24V



3014



Gold plated  
PAD



A + +



118 lm/W



CRI



R9

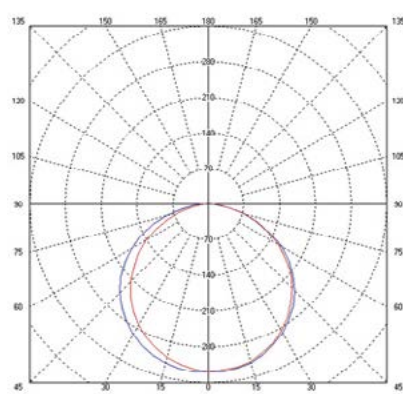
DDS551 is a 29W meter Tunable White led strip with 210 leds 3014 + 210 leds 3014 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	6
Total power	W	144
Current per meter	A	1,2
Power per meter	W	28,8
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



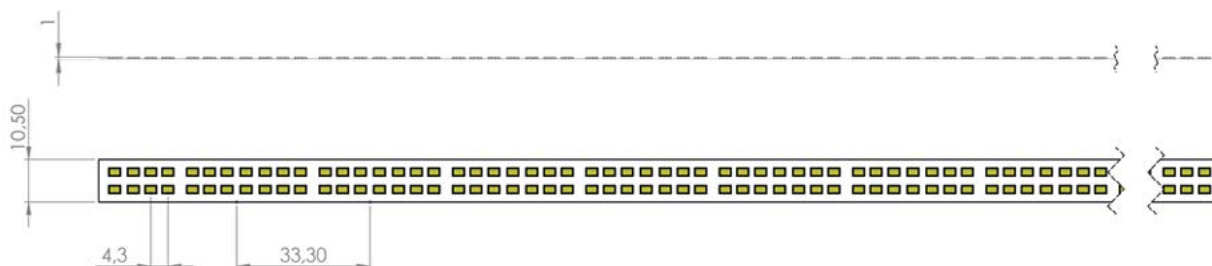
## ★ TEMPERATURE OPTIONS

2K7

3K

4K

5K



	unit	typical			
ELECTRICAL					
Led per meter		210+210			
Led model		3014			
Color rendering index (MIN)	CRI▲	>90			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	1500	1550	1600	1650

## MECHANICALS

	unit	typical
Withdh	mm	10,5
Lenght	mm	5000
Cutting unit	mm	333
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS532

DDS532



10 cm



5 mt



14 Wmt



on board



24V



3528



Gold plated  
PAD



A + +

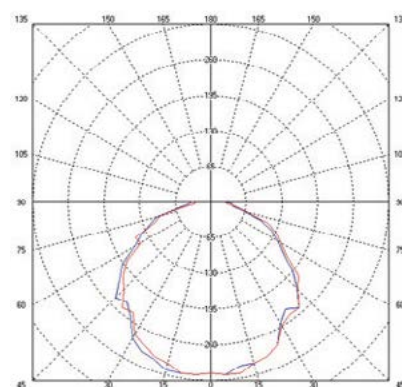
DDS532-DMX is a 14,4W meter led strip with 50 led RGB 3528 per meter. To produce our indoor flexible LED strips, we use high quality RGB LEDs,, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee

extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

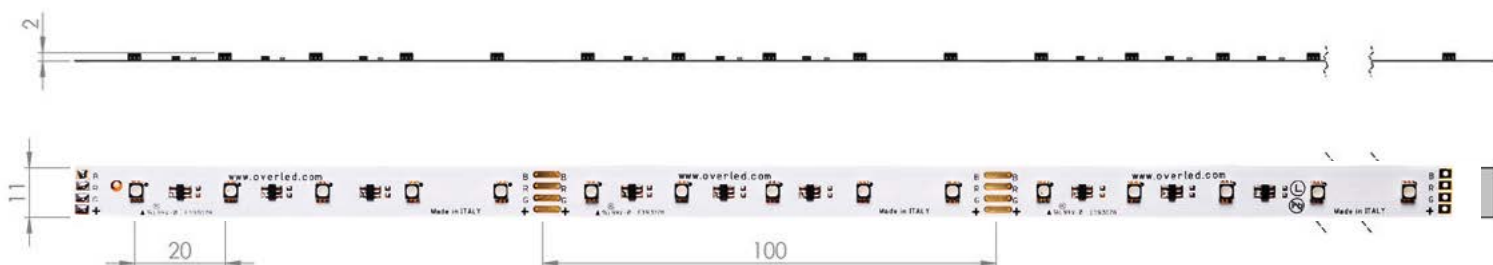
## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	3
Total power	W	72
Current per meter	A	0,6
Power per meter	W	14,4
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	typical
<b>ELECTRICAL</b>		
Led per meter		50
Led model	RGB	3528
Light emission angle		120
Luminous efficiency	W/m	32
Luminous intensity per meter/Red	cd/mt	32,5
Luminous intensity per meter/Green	cd/mt	95
Luminous intensity per meter/Blue	cd/mt	19

	unit	typical
<b>MECHANICALS</b>		
Witdh	mm	11
Lenght	mm	5000
Cutting unit	mm	100
<b>Max</b>		
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100





# DDS532-DMX

DDS532-DMX



10 cm



5 mt



14 Wmt



on board



24V



3528



Gold plated  
PAD



A + +

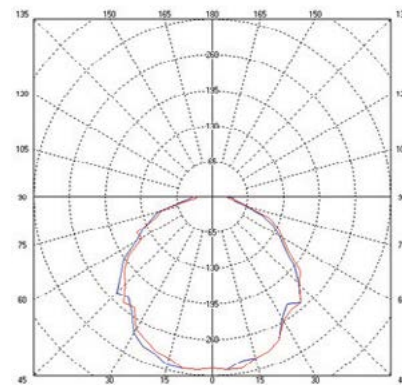
DDS532-DMX is a 14,4W meter led strip with 50 led RGB 3528 per meter and DMX/RGB controller embedded. To produce our indoor flexible LED strips, we use high quality RGB LEDs,, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product

features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

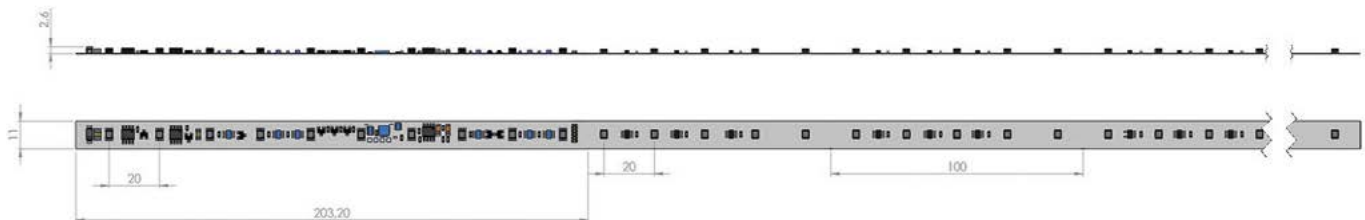
## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	3
Total power	W	74
Current per meter	A	0,6
Power per meter	W	14,4
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



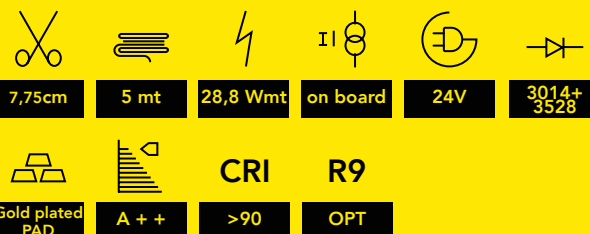
	unit	typical
<b>ELECTRICAL</b>		
Led per meter		50
Led model	RGB	3528
Light emission angle		120
Luminous efficiency	W/m	32
Luminous intensity per meter/Red	cd/mt	32,5
Luminous intensity per meter/Green	cd/mt	95
Luminous intensity per meter/Blue	cd/mt	19

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	11
Lenght	mm	5000
Cutting unit	mm	100
<b>Max</b>		
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS554

DDS554\_K



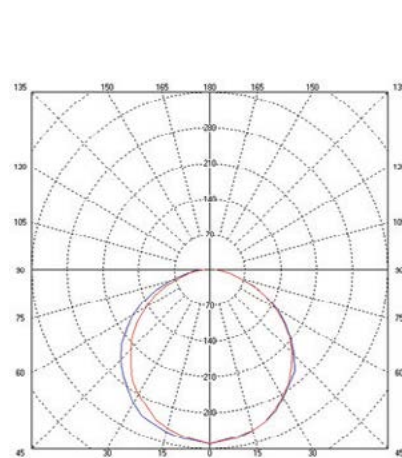
DDS554 is a 29W meter RGB-White led strip with 168 led 3014 + 84 led RGB per meter. To produce our indoor flexible LED strips, we use 3-step McAdamand high quality RGB LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermalconductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product

features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

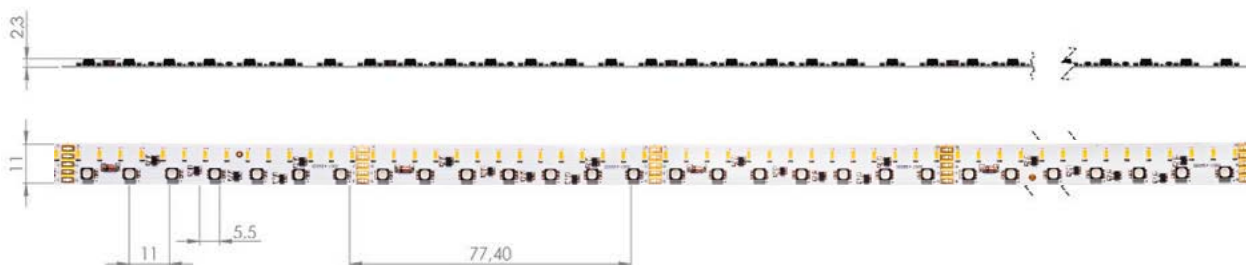
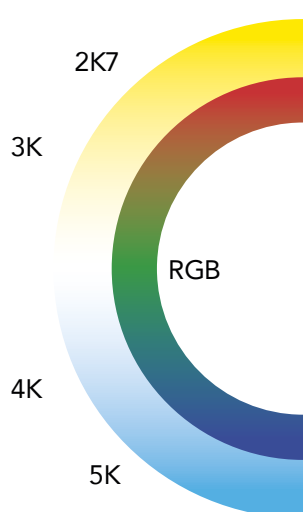
## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	6,5
Total power	W	156
Current per meter	A	1,3
Power per meter	W	31,2
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	40000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	RGB	WHITE
<b>ELECTRICAL</b>			
Led per meter		91	182
Led model		3528	3014
Light emission angle		120	
Luminous Flux White	W/m	1520	
Luminous intensity per meter/Red	cd/mt	59	
Luminous intensity per meter/Green	cd/mt	173	
Luminous intensity per meter/Blue	cd/mt	35	
CCT		3000K°	

	unit	typical
<b>MECHANICALS</b>		
Witdh	mm	11
Lenght	mm	5000
Cutting unit	mm	77,40
<b>Max</b>		
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS900-SPI

DDS900-SPI



2,5 cm



5 mt



5,5 Wmt



on board



24V



3528



Gold plated  
PAD



A + +

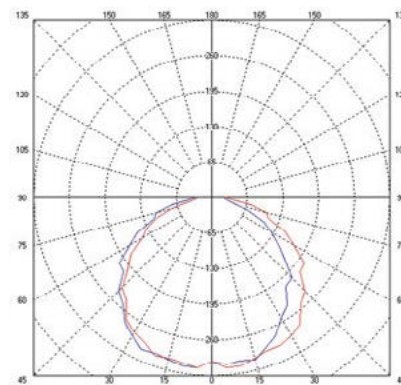
DDS900-SPI is a 5,5 W meter led strip with 56 led 3528 RGB per meter. DDS900-SPI for MBI use SPI protocol to control each pixel individually. To produce our indoor flexible LED strips, we use RGB high quality LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting

surface. All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

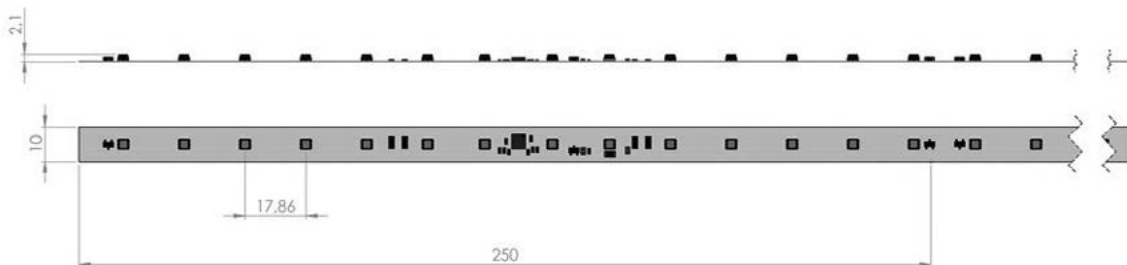
## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	1,1
Total power	W	26
Current per meter	A	0,22
Power per meter	W	5,5
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	55000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	typical
<b>ELECTRICAL</b>		
Led per meter		56
Led model	RGB	3528
Light emission angle		120
Luminous intensity per meter/Red	cd/mt	33
Luminous intensity per meter/Green	cd/mt	55
Luminous intensity per meter/Blue	cd/mt	15
Pixel per meter		4

	unit	typical
<b>MECHANICALS</b>		
Width	mm	10
Lenght	mm	4500
Cutting unit	mm	250
<b>Max</b>		
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS815

DDS815\_



5 cm



7 mt



10,6 Wmt



on board



24V



3528



Gold plated  
PAD



A + +

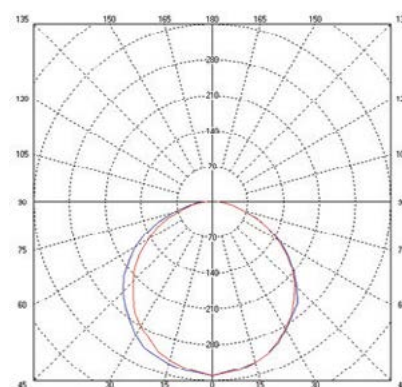
DDS815 is a 10,6W meter RGB led strip with 120 led RGB All 3528 per meter. To produce our indoor flexible LED strips, we use high quality RGB LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting surface of our product features guarantee extra long lifetime and stable

performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear application.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	3,08
Total power	W	74
Current per meter	A	0,44
Power per meter	W	10,6
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	40000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	typical
<b>ELECTRICAL</b>		
Led per meter		120
Led model	RGB	3528
Light emission angle		120
Luminous intensity per meter/Red	cd/mt	19,8
Luminous intensity per meter/Green	cd/mt	59,4
Luminous intensity per meter/Blue	cd/mt	13

	unit	typical
<b>MECHANICALS</b>		
Width	mm	10
Length	mm	7000
Cutting unit	mm	50
<b>Max</b>		
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS1024

DD1024\_



5 cm



5 mt



32 Wmt



on board



24V



2835



Gold plated  
PAD



A + +



130 lm/W



>95

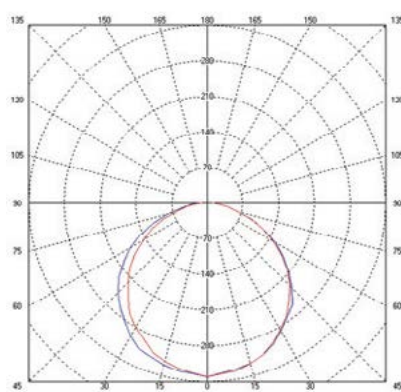
DDS1024 is a 32W meter White led strip with 175 led 2835 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam high quality LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee extra long lifetime

and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	6,66
Total power	W	160
Current per meter	A	1,33
Power per meter	W	32
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	40000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS

2K7

3K

4K

5K



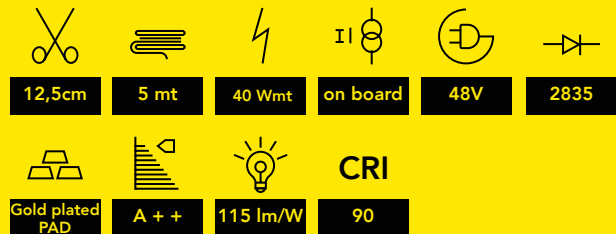
	unit	typical			
ELECTRICAL					
Led per meter		175			
Led model		2835			
Color rendering index (MIN)	CRI▲	90			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	3640	3870	4100	4160

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	9
Lenght	mm	5000
Cutting unit	mm	40
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS1013

DDS1013\_



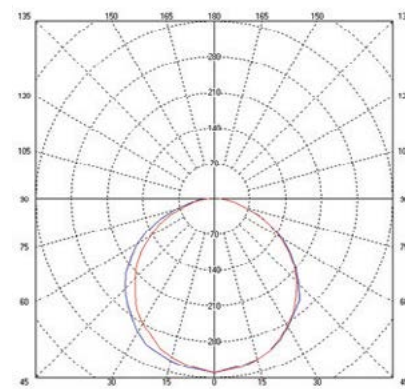
DDS1013 is a 40W meter White led strip with 120 led, 2835 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam high quality LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting surface.

All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear application.

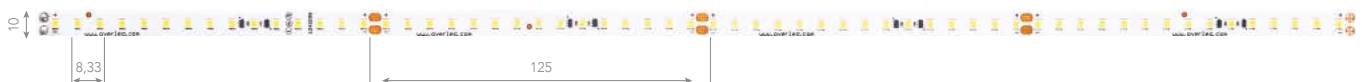
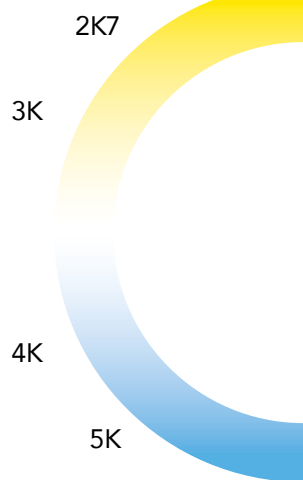
## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	48
Total current	A	3,33
Total power	W	160
Current per meter	A	0,83
Power per meter	W	40
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	40000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	typical			
ELECTRICAL					
Led per meter		120			
Led model		2835			
Color rendering index (MIN)	CRI▲	90			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	4040	4300	4500	4620

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	10
Lenght	mm	4000
Cutting unit	mm	125
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS1058

DD1058\_



2,5 cm



3 mt



15 Wmt



on board



24V



2016



Gold plated  
PAD



A + +



100 lm/W



CRI



R9

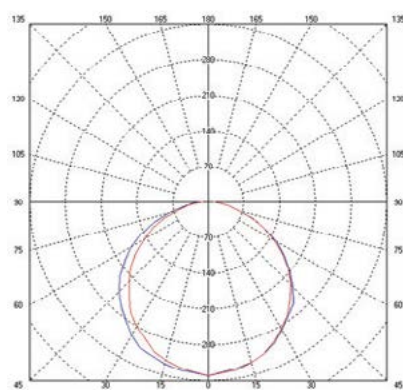
DDS1058 is a 8/15/25W meter White led strip with 240 led/mt LED strips, we use 3-step McAdam high quality LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee extra long lifetime and

stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	1,9
Total power	W	45
Current per meter	A	0,62
Power per meter	W	15
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	40000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS

2K7

3K

4K

5K

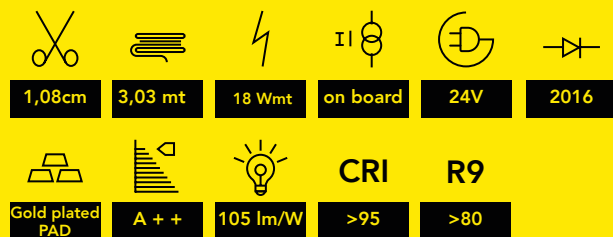


	unit	typical			
ELECTRICAL					
Led per meter		240			
Led model		2016			
Color rendering index (MIN)	CRI▲	90			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	1180	1320	1470	1500

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	3,5
Lenght	mm	3000
Cutting unit	mm	25
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100

# DDS1045

DDS1045\_



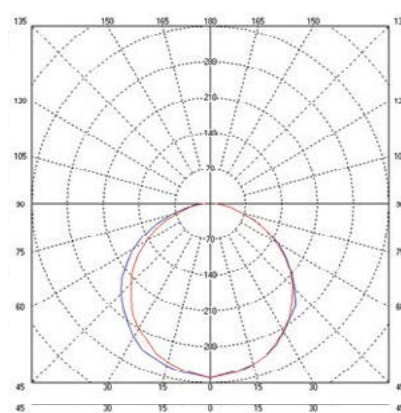
DDS1045 is a 18W meter White led strip with 555 led 2016 per meter. To produce our indoor flexible LED strips, we use 3-step McAdam high quality LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee extra long lifetime and

stable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	2,3
Total power	W	55
Current per meter	A	0,76
Power per meter	W	18
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	40000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	typical			
ELECTRICAL					
Led per meter		555			
Led model		2016			
Color rendering index (MIN)	CRI▲	90			
Light emission angle		120			
	unit	2700k°	3000k°	4000k°	5000k°
Luminous flux per meter	lm/mt	1490	1670	1860,	1900

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	5,5
Lenght	mm	3000
Cutting unit	mm	10,8
		<b>Max</b>
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS1061

DDS1061\_



11 cm



5 mt



16 Wmt



on board



24V



5050



Gold plated  
PAD



A + +

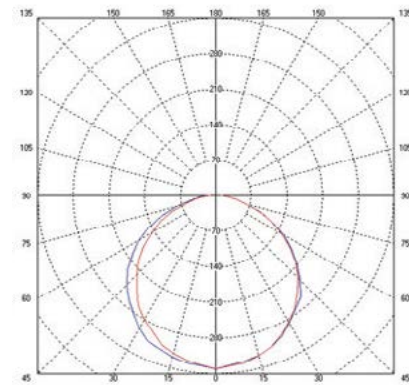
DDS1061 is a 16W meter RGBW led strip with 84 led 5050. To produce our indoor flexible LED strips we use 3-step McAdam and high quality LEDs, gold plated flexible double side PCB and constant current control inside the LED strip. Thermal conductive adhesive tape guarantees perfect heat transfer to the mounting surface. All of our product features guarantee extra long lifetime

andstable performance. Our flexible LED light strips are designed for long term professional lighting applications and perfectly fit in any linear applications.

## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	3,3
Total power	W	80
Current per meter	A	0,67
Power per meter	W	16
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	50000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS

2K7

3K

RGB

4K

5K



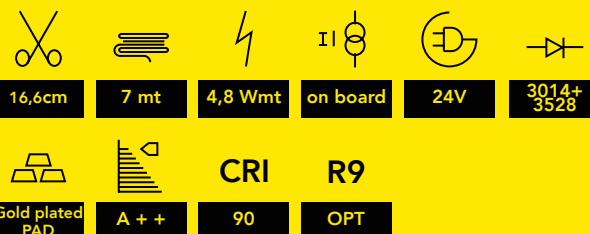
	unit	RGBW
<b>ELECTRICAL</b>		
Led per meter		84
Led model		5050
Light emission angle		120
Luminous flux per meter/white	lm/m	504
Luminous intensity per meter/Red	cd/mt	39
Luminous intensity per meter/Green	cd/mt	85
Luminous intensity per meter/Blue	cd/mt	26
		4000K°

	unit	typical
<b>MECHANICALS</b>		
Withdh	mm	10
Lenght	mm	5000
Cutting unit	mm	83,3
<b>Max</b>		
Pull Force	N	1
Pelling resistance	N/mm	0,8
Flexible resistance	Cycles	8
Max curve	mm	100



# DDS1059

DDS1059\_



DDS1059 it is a SPI controlled RGBW flex strip led, include constant current control on board. This strip use 3528 RGB led and 3014 led for white. This strip led can be controlled by Trex series product.

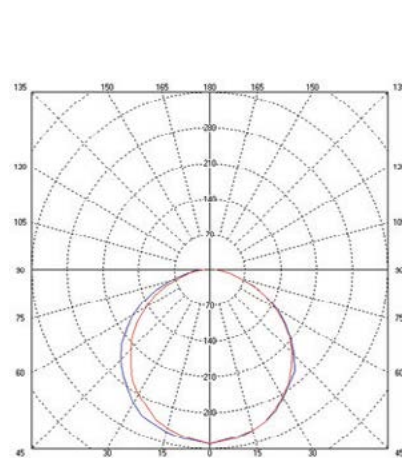
All of our product features guarantee extra long lifetime and stable performance. Our flexible LED light strips are

designed for long term professional lighting applications and perfectly fit in any linear applications.

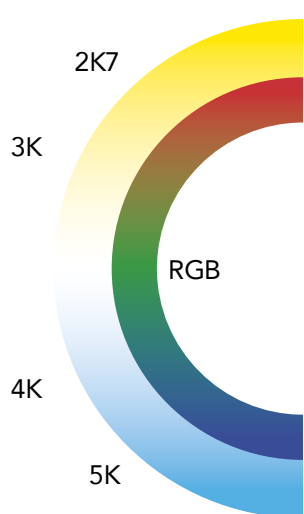
## TECHNICAL SPECIFICATION

	unit	typical
<b>ELECTRICAL</b>		
Power supply	Vdc	24
Total current	A	1,42
Total power	W	34
Current per meter	A	0,2
Power per meter	W	4,8
<b>THERMAL</b>		
Operating Temperature TC	C°	70
Life Time (25C° PCB surface)	h/24	40000

## PHOTOMETRY



## ★ TEMPERATURE OPTIONS



	unit	RGB	WHITE		unit	typical
<b>ELECTRICAL</b>				<b>MECHANICALS</b>		
Led per meter		72	72	Witdh	mm	10
Led model		3528	3014	Lenght	mm	7000
Light emission angle		120		Cutting unit	mm	166,6
Luminous Flux White	W/m	480		<b>Max</b>		
Luminous intensity per meter/Red	cd/mt	13,7		Pull Force	N	1
Luminous intensity per meter/Green	cd/mt	45,4		Pelling resistance	N/mm	0,8
Luminous intensity per meter/Blu	cd/mt	10,7		Flexible resistance	Cycles	8
CCT	4000K°			Max curve	mm	100







We can design led stri according with customer cut unit request

**CRI**

We can design led stri according with customer cut unit request



We can customize total lenght of led strip or make led strip with customized lenght with connection and cables

**R9**

We can design led stri according with customer cut unit request



Using the latest Leds technology available we can offer best solution in terms of Lumen/W efficiency

**DMX/  
RDM**

DMX embedded addressable through RDM



We can tuning watt/meter power in order to reach customer requests

**SPI**

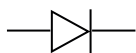
SPI embedded to control each single LEDs



Voltage Input customizable from 12V to 48V and more

**IP  
RATE**

We can design solution IP20 or SILICONE strip with customized dimensions and shape

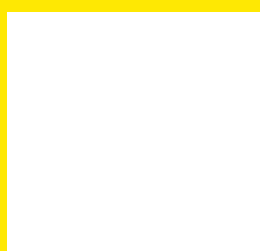


We can use all the possible solutions in terms of LEDs, starting from CSP, Flip Chip to Power LEDs

# ACCESSORIES



SCAN TO SEE ALL  
PRODUCTS



**Overled**  
professional led lighting

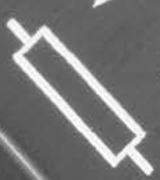
MADE IN ITALY

IP20

CE

POWER SUPPLY  
INPUT

100-240 V<sub>AC</sub> 50/60 Hz  
150-300 V<sub>DC</sub>  
0.8-1.8 A  
170 W 176 VA PF>0.92  $t_a: 45^\circ$



N



CH1 CH2 CH3 CH4

FAILURE

STATUS

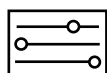
POWER ON

OUT

LED



SCAN TO SEE ALL  
PRODUCTS



## DRIVER&CONTROLLER led

*DRIVERled offering is designed for energy efficient, long lasting, high quality, professional lighting applications.*

*Including dimmable LED drivers, or DMX/RDM dimmable drivers, can be used as part of standalone lighting system or bigger building management systems.*

*Thanks to DRIVERled technology is possible to dim in PWM (from 100% to 5%) directly to VAC thus avoiding wiring and saving costs.*

*CONTROLLERled is a collection of intelligent solutions for LED based lighting systems.*

*We develop our technologies in Italy to offer to our customers to deliver the promise of LED lighting: smarter and more efficient systems to achieve the best performance required. All the solutions you will ever need for LED lighting applications.*

*The CONTROLLERled products cover applications starting from single white colour to RGBW for full-colour entertainment product solutions.*

*All industry control protocols are covered: DMX/RDM, DALI, SPI, 1-10V, PWM you'll not run out of control with CONTROLLERled.*

La gamma di alimentatori DRIVERled è progettata per sistemi di illuminazione professionale per assicurare efficienza energetica e lunga durata del prodotto.

I DRIVERled dimmerabili in PWM o DMX/RDM possono essere usati dai semplici sistemi stand alone fino a sistemi complessi per gestione illuminazione di edifici.

Grazie alla tecnologia DRIVERled è possibile dimmerare in PWM (dal 100% al 5%) direttamente sulla VAC evitando così cablaggi e risparmiando costi.

CONTROLLERled è una gamma di sistemi di controllo per i sistemi di illuminazione a led. Sviluppiamo la nostra tecnologia nella nostra sede Italiana per offrire ai nostri clienti soluzioni che rendano i loro sistemi di illuminazione più intelligenti ed efficienti e raggiungere il massimo livello di prestazioni possibile.

La gamma CONTROLLERled copre applicazioni che vanno dal semplice controllo della luce bianca fino a controlli per illuminazione RGBW.

Tutti i protocolli di controllo sono previsti: DMX/RDM, DALI, SPI, 1-10V, PWM

### PRODUCT FEATURES

#### AC INPUT

Voltage Input

#### DMX/ RDM

Controlled by DMX,  
addressed through

#### 0/10V

Dimmable through  
0-10V signal

#### PWM

Dimmable through  
PWM signal

#### REMOTE CONTROL

Controlled by IR  
remote control

#### Pmax

Max Power available

#### ONE WIRE

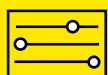
Controlled by  
One Wire signal

#### SPI

Controlled by Serial  
protocol

#### ART/ NET

Compatible with  
ART-NET protocol



# DDS874

AC LED CONTROLLER  
DMX 4 CHANNEL

AC  
INPUT

100-265V

DMX  
RDM

on board

PWM

compatible

ONE  
WIRE

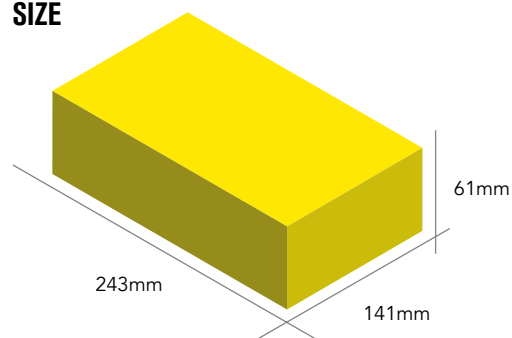
compatible

DDS874 is a DMX / RDM controller with 4 PWM constant voltage output and two One Wire outputs, (able to control our DDS757 strip led) with 100-260 V input DDS874 total power is 300W, DMX/RDM is optically insulated from power supply.

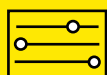


	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vac or Vdc	100-260 or 300
Power our	W	300
DMX	optoisulated USITT 512	
DMX addressing	RDM	
Number of channels output	4 max 300W total	
Number of one wire output	2 max 300W	
Emergency input	1 full output	
RDM	RDM 2.0	
Operating Temperature	C°	-10 TO +54
Size	mm	243x141x61

## SIZE







# DDS870/DMX

LED CONTROLLER 4 CHANNEL  
CONSTANT VOLTAGE

DC INPUT	DMX RDM	PWM	Pmax
12-48 Vdc	on board	compatible	390W

DDS 870 is a 4 channel constant voltage driver, for LED strip or led devices with onboard current control. This module can work with several input voltages maximum of 48VDC, and minimum 12vdc. The optoinsulated DMX/RDM input is protected against voltages of 250vac, without breaking anything.

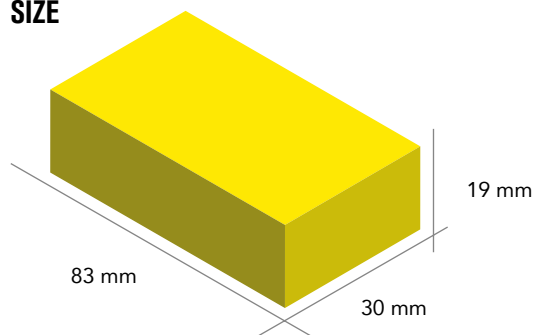
The 4 output channels are able to with stand currents up to 2a each, in the open collector. The 4-channel dimming and logarithmic curve, other possible curves and personality selections via RDM are available.

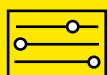
The maximum power of this module is 400w @ 48VDC control.



	unit	typical
<b>TECHNICAL SPECIFICATION</b>		
Power supply	Vdc	12-48
Total Power	W	8,1A @48V 390W
DMX		Compatible 512
Number of channels output		4
PWM		16Bit logarithm curve
RDM		RDM 2.0
Operating Temperature	C°	-10 TO +54
Size	mm	83X19X30

## SIZE





# DDS1030

LED CONTROLLER DMX ONE CHANNEL

DC  
INPUT

24 Vdc

DMX  
RDM

on board

PWM

compatible

DDS 1030 is a constant current 1 channel driver, for LED or COB the current is factory set up to a maximum of 910mA. This module can work with maximum input voltages of 26VDC, and minimum 10Vdc.

The optoinsulated DMX/RDM input is protected against voltages of 250vac, without breaking anything.

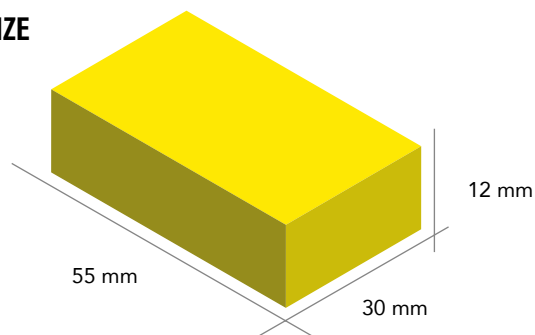
Dimming via DMX and logarithmic curve, other possible curves are selectable by RDM personalities.

A thermal protection on board is provided which reduces the current if the temperature reaches 80°C.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	10-26
Max current per channel	mA	2000
Dropout voltage	Vdc 2,5	
DMX	Compatible 512	
Power Supply	22,4 W	
Number of one wire output	2 max 300W	
RDM	RDM 2.0	
Operating Temperature	C°	-10 TO +50
Size	mm	55x30x12

SIZE





# DDS674/DMX

LED CONTROLLER 4 CHANNEL  
CONSTANT CURRENT

DC  
INPUT

48 Vdc

DMX  
RDM

on board

PWM

compatible

DDS674 4 channel constant current can supply up to 14 led in series @48vdc 600mA. This module can work in several mode DMX/RDM and stand alone.

The DMX/RDM polarity is self corrected by the board also if wrong connection. The current output can be programmed by RDM from 200mA up to 600mA and it is also possible monitoring led connection or led malfunction thru RDM.

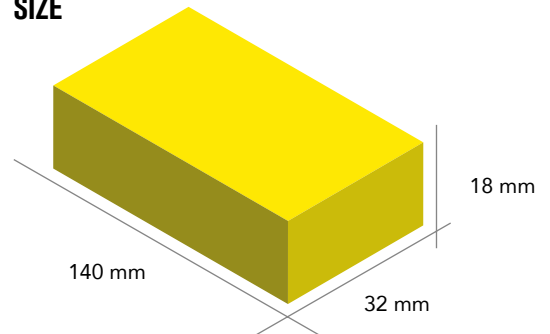
The current mode is hysteretic to guarantee the best light dimming performance also at 16Bit control. Control Frequency PWM can be varied from default 240Hz up to 1,2Khz. this is for flicker free feature. All output are positive common. The power supply is applied to connectors a fuse is provided for overvoltage protection. Voltage dropout is 3v, the maximum voltage regulation is  $V_{supply} - 3V$ , this must be considered for maximum led per channel calculation.

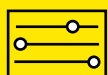
A thermal protection on board is provided, in case of temperature rising at 80 degree ambient start to decrease current to LED. The max temperature peak is recorded and can be read by RDM, same for number of worked hour of the product.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	48
Max current per channel	mA	650
Dropout voltage	Vdc 3,1	
DMX	Compatible 512	
RDM	RDM 2.0	
Operating Temperature	C°	-10 TO +54
Size	mm	140x32x18

SIZE





# DDS588

LED CONTROLLER

CONSTANT CURRENT DMX, 4 CHANNEL

DC  
INPUT

24 Vdc

DMX  
RDM

on board

PWM

compatible

DDS588 4 channel in constant current can supply up to 6 led in series @24vd 350mA. 4 channel output up to 6 led per channel @24vdc

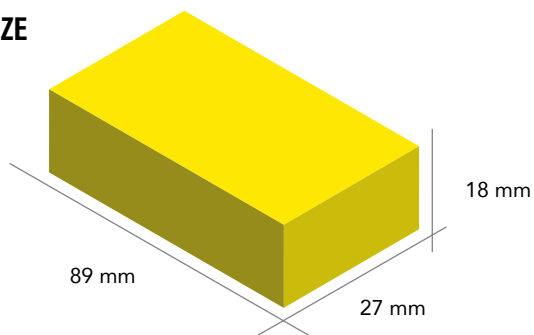
MAX led 24x1W each.

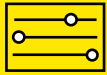
This module can work in several mode DMX/RDM/ and stand alone. In current mode the hysteretic control guarantee the best light dimming performance. All output are positive and negative per each color. The power supply is applied to connector.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24
Max current per channel	mA	350
DMX	Compatible 512	
RDM	RDM 2.0	
Operating Temperature	C°	-10 TO +50
Size	mm	55x30x12

SIZE





# DDS561

AC LED CONTROLLER  
DALI AND DMX 4 CHANNEL

AC  
INPUT

48 Vdc

DMX  
RDM

on board

DALI

compatible

DDS561 it is constant current, 4 channel this unit can supply up to 12 led in series 1W each or 15 led depending on forward voltage.

This module can work in several mode DMX/RDM/stand-Alone/ and DALI.

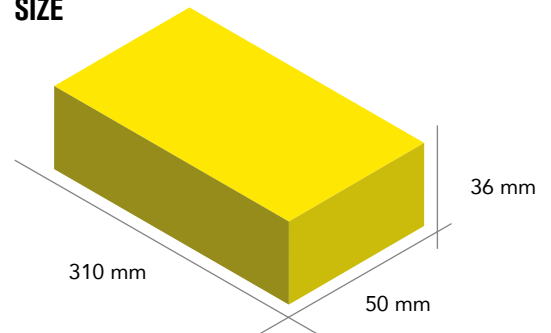
The constant current is made by hysteretic control to guarantee the best light dimming performance. All output are positive common, and ground control.

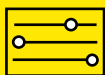
Din Bar mounting accessories available.



	unit	typical
<b>TECHNICAL SPECIFICATION</b>		
Power supply	Vac	100-165
Max current per channel	mA	600mA@110v/300mA@230v-
Maximum Led channale	n	4
Maximum Led per channel		12 /(15 if Vfled is <3Vdc)
Dropout voltage		Vdc 50
DMX		Compatible 512
RDM		RDM 2.0
DALI		YES
Operating Temperature	C°	-10 TO +75
Size	mm	310x50x36

## SIZE



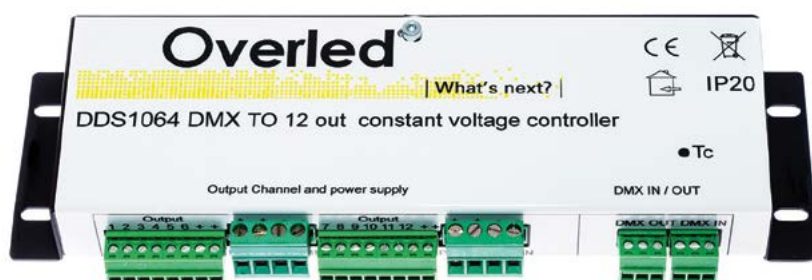


# DDS1064

LED CONTROLLER 12 CHANNEL  
CONSTANT VOLTAGE OUTPUT

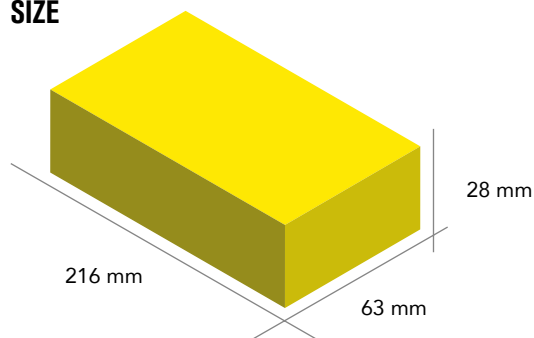
DC INPUT	DMX RDM	Pmax	PWM OUT
24 Vdc	on board	580 W	compatible

DDS1064 Constant voltage 12 output PWM led control max 580W total. DDS1064 convert 12 DMX channel in 12 PWM outputs, the DMX is fully optoinsulated and protected against high voltage, the DMX input and output allow this unit to be autopatched or used for DMX signal buffer. The power supply can be applied using screw driver connector, and can be separated power supply each 6 output.

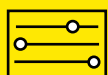


	unit	typical
<b>TECHNICAL SPECIFICATION</b>		
Power supply	Vdc	24
Power out	W	580
DMX		insulated
DMX addressing		self addressing or RDM
Number of open drain channel output		12
RDM		RDM 2.0
Operating Temperature	C°	-10 TO +54
Size	mm	216x63x28

## SIZE







# DDS1141

LED DRIVER E CONTROLLER  
4 DIMMERABLE CHANNEL

DC  
INPUT

48 Vdc

DMX  
RDM

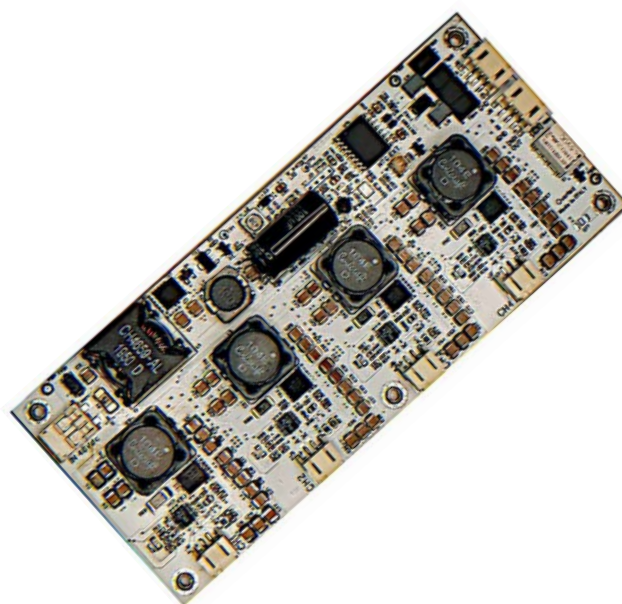
on board

PWM

compatible

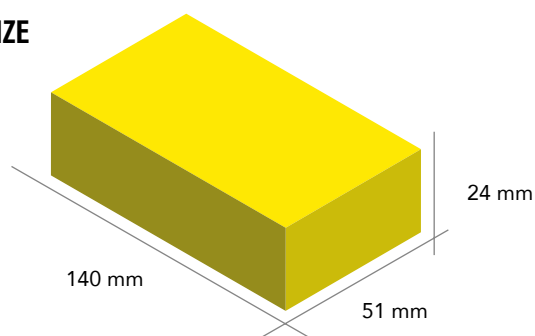
DDS1141 is a LED driver e controller with the following main features:

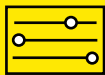
- 48Vdc operation
- 4 dimmerable channel
- PWM modulation (3kHz / 11bit)
- Max Output current: 750mA
- Output voltage range: 10-75V
- Max output power 200W
- Standby power < 1W
- Protections: short-circuit, open-circuit, thermal



	unit	typical
TECHNICAL SPECIFICATION		
Power supply Voltage	V	48
Power supply current	A	5,6
Output Power	W	200
Number of channel		4
Output current	mA	750
Size	mm	140x51x24

SIZE





# DDS1145

LED DRIVER E CONTROLLER  
4 DIMMERABLE CHANNEL

DC  
INPUT

48 Vdc

DMX  
RDM

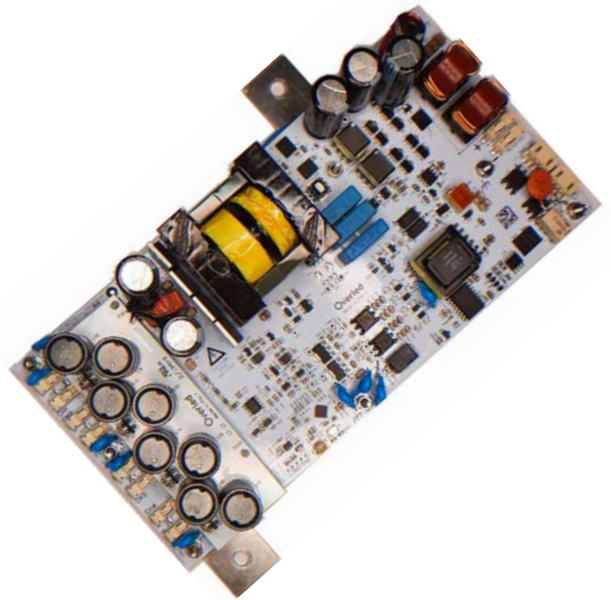
on board

PWM

compatible

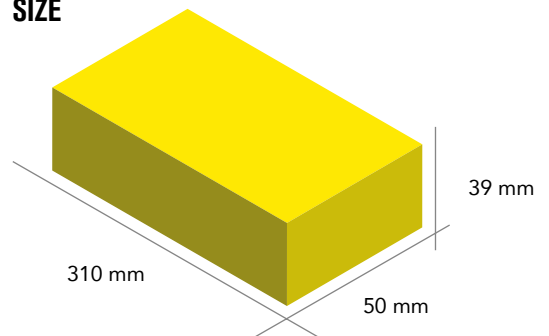
DDS1145 is an high voltage insulated LED driver e controller with the following main features:

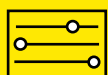
- 48Vdc fully isolated operation
- 4 dimmerable channel
- PWM modulation (3kHz / 11bit)
- Max output current: 430mA
- Output voltage range :100-270V
- Max output power: 340W
- Standby power < 1W
- Protections: short circuit, open circuit, thermal.
- DMX-RDM control



TECHNICAL SPECIFICATION		
	unit	typical
Power supply Voltage	V	48
Power supply current	A	9
Standby Power	W	1
Output Power	W	340
Number of channel		4
Output current	mA	430
Operating Temperature	C°	-10 TO +75
Size	mm	310X50X39

SIZE





# DDS555

LED CONTROLLER 4 CHANNEL  
CONSTANT VOLTAGE

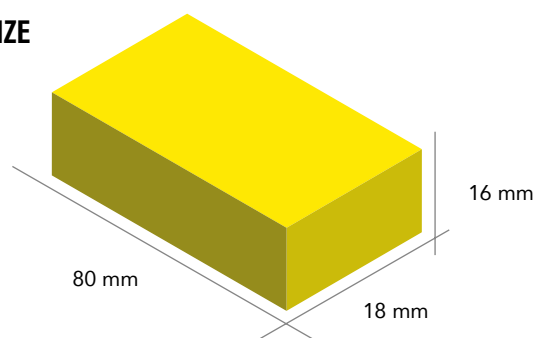
DC INPUT	DMX RDM	PWM	REMOTE CONROL	Pmax
12-24 Vdc	on board	compatible	compatible	130W

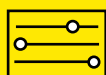
DDS.555 it is constant voltage controller, 3 channel. This module can work in several mode DMX/ RDM/ stand-alone/ infrared remote control. This unit can supply up to 150w of strip led or any kind of led with on board constant current. All output are positive common, and ground is the control. The power supply is applied to connector screwdriver isn't necessary for wiring.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24
Total Power	W	150
DMX	Compatible 512	
RDM	RDM 2.0	
Number of channels output	3 open Drain mosfet	
Operating Temperature	C°	-10 TO +50
Size	mm	80X18X16

SIZE





# DDS1171

LED CONTROLLER 4 CHANNEL  
CONSTANT VOLTAGE OUTPUT

DC  
INPUT

24 Vdc

DMX  
RDM

on board

Pmax

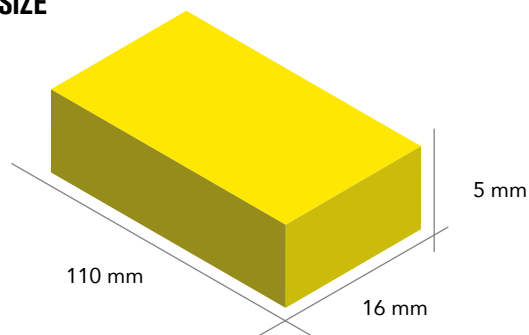
130 W

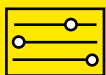
DDS1171 is a DMX / RDM controller for constant voltage led strips, this is used directly with RGB, RGBW, NW-W, W and SPI led REEL, practically the led coil circuit is soldered directly on the printed circuit of the DDS1171, it is installed inside the extruded aluminum and the connector remains outside for connection with a 4x0.5mm2 electric cable. The maximum working current is 4.8 A total with DDS1171 dissipated on aluminum. The special PADS on the printed circuit allow to connect directly to the led coils with direct soldering, the DDS1171 provides an area where to attach the led coil to strengthen the soldering. The provided pads allow to connect coils of 10-12mm width, and of various types RGBW or RGB, dynamic white, single-channel and SPI for pixel control up to 512 channels, this card can be supplied directly installed on various types of LED coils or individually in small quantities. The DMX / RDM is not optically isolated and is protected up to 40vdc in case electrical connection error, it is protected against polarity inversion, and equipped with a fuse in case of irreversible failure.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24
Current out	A	1,5
Power out	W	130
DMX	USITT512	
Control Frequency	2900Hz	
RDM	RDM 2.0	
Operating Temperature	C°	-10 TO +54
Size	mm	102X118X46

## SIZE





# CAPYBARA

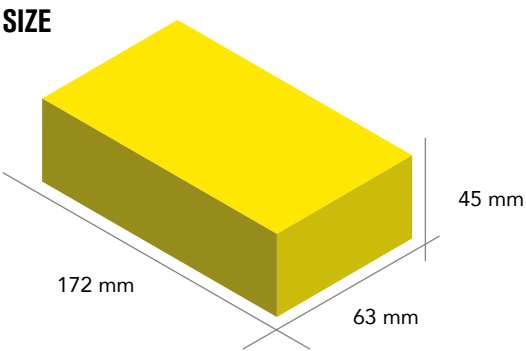
ART NET TO DMX CONVERTER

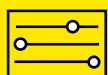
DC INPUT	DMX RDM	ARTNET
12-48 Vdc	on board	compatible

Capybara it is ART NET node, one universe available (512 dmx channel), it is a DMX recorder, DMX to Art Net Node, RDM over Art Net interface, DMX player. SD memory (optional) for a large DMX show storage, one show per SD, no multi show selection available. Capybara it is compatible with Art Net node protocol for setting IP, broadcast please use Esuite or Jartnet405 from site, the software it is free of charge. Capybara can be powered by external power supply (not included) with it's connector or by POE power over ether- net HUB. Capybara it can be mounted on electrical DIN BAR or by velcro strips on request.



TECHNICAL SPECIFICATION		
	unit	typical
Power supply	Vdc	12-48
Power consupcion	mA	350@12Vdc
Ethernet		Vdc 50
DMX		IEEE 802.3 10Base-T
RDM		RDM 2.0
ARTNEET		YES
Operating Temperature	C°	-10 TO +75
Size	mm	172x63x45





# CAPYBARA QUAD

## ART NET NODE 4 DMX CHANNEL OUTPUT

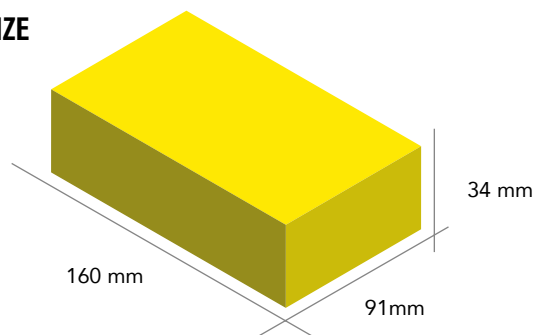
DC INPUT 24-48 Vdc  
DMX RDM on board  
ARTNET compatible

Art Net node to DMX/RDM converter, with 4 optoisolated DMX output channels with protection of up to 300vac against connection errors without causing device failures. Every single output is isolated up to 2500V, and 4000V compared to the power input. Each Capybara Quad module is equipped with 3-pin wired connectors for connecting the DMX, capybara quad is designed to be housed in an electric panel. The device has 3 switches to set last lpv4 value manually, while the IP is assigned via ART NET commands. Each DMX output is also equipped with Led RGB that indicates the various operational states of the single universe. It is possible to set a variant of the DMX to DMX plus, where the baud rate reaches up to 500kbps against the 250kbps of the standard DMX, this allows you to have at least 60fps per universe. A button for each universe activates the autopatching and auto show features, which are very useful during installation.

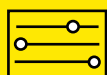


	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24-48
Total Power	W	3
DMX out		insulated
DMX addressing		Auto-patching
Number of DMX channels output		4
Operating Temperature	C°	-10 TO +54
Size	mm	160X91X34

### SIZE







# CAPYBARA FAMILY

ART NET NODE 8 DMX CHANNEL OUTPUT

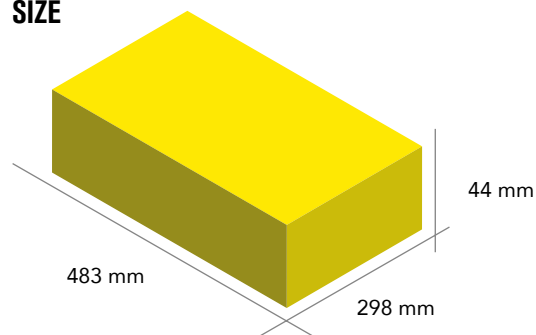
DC INPUT    DMX RDM    ARTNET  
12-48 Vdc    on board    compatible

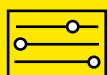
Art Net node to DMX / RDM converter, with 16 DMX output channels optoisolated and equipped with protection up to 300vac against connection errors without having caused damage to the device. Each output is isolated up to 2500V, and 4000V respect to the power supply. Each DMX universe module is equipped with 5-pin XLR connectors for DMX connection, the version with RJ45-8 is also available as an option. This device has three switches for setting last IPv4 value manually, while the IP is assigned by ART NET commands. Every DMX universe is also equipped with RGB LED that indicates different states of the individual operating universe. A DMX DMX plus variant, where the baud rate is up to 500kbps 250kbps against the standard DMX, this allows to have at least 60fps universe. A pushbutton for each universe activates the autopatching features and auto show, very useful during installation. Capybara Family is also capable of recording all 16 universe in SD up to maximum of 4Gbyte, and recall records, so show through art net commands to associate them to the integrated scheduler or retrieval via digital inputs associated with the show. Four relay outputs are used to activate any command from ART NET devices, such as power to the system controlled or otherwise. Firmware upgrades are possible via USB, and set-up software on Capybara Family is designed with embedded microcontroller technology, so bootstrap at power on is very low.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24-48
Total Power	W	8
DMX out		insulated
DMX addressing		Auto-patching
Number of DMX channels output		16
Operating Temperature	C°	-10 TO +54
Size	mm	483X298X44

## SIZE





# DDS1121

ART NET NODE 8 DMX/RDM  
UNIVERSE CONVERTER

DC INPUT    DMX RDM    ARTNET  
12-48 Vdc    on board    compatible

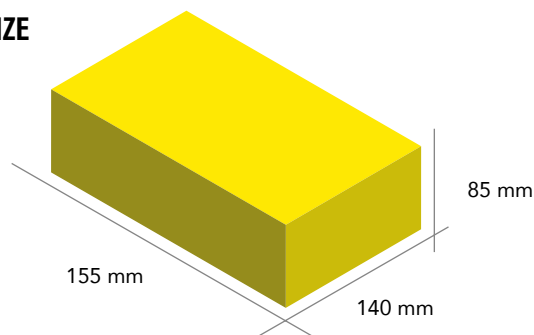
DDS1121 is a 16/4 channel DMX ArtNet Node with the following features:

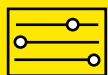
- 12 - 48Vdc operation
- 2 Ethernet interfaces 10/100 BASE-T
- 2 Fiber optics interfaces 100 BASE-FX
- 16 DMX channel
- 250 / 500 kbit/s, 30 / 60 fps
- full universe addressing: 0 - 32767 supported
- ArtNet 4 compliant



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	12-48
Power supply current	mA	140@24Vdc
Ethernet Interface	2 port 100BASE-T up to 100m	
Fiber optics interface	2 port 100BASE-FX up to 500m	
DMX channel	8	
Operating Temperature	C°	-10 TO +54
Size	mm	155x140x85

## SIZE





# ECCO

## USB TO DMX OTPOINSULATED INTERFACE

DMX  
RDM

USB TO  
DMX

on board

ECCO ReadySteadyGo device can be defined and classified as the "lingua franca" (universal-translator) for all users of USB/DMX/RDM protocols. ReadySteadyGo is totally compatible with standard E1.20 RDM & DMX USITT 1990. ReadySteadyGo is opto isolated and can be powered directly from any PC USB port (Mac too). This device is totally free-electric interferences between DMX & PC. Should the device, inadvertently, be disconnected and immediately reconnected, the software will instantly reinstate connections. The hardware of the ColoursReadySteadyGo is robust and ergonomically designed to be handled without any fear of breaking if incidentally dropped. ColoursReadySteadyGo has been designed to facilitate RDM bi-directional communications using the 2-core DMX protocol. ColoursReadySteadyGo integrates the discovery RDM protocol that identifies all fixtures connected with DMX protocol.

The ColoursReadySteadyGo is also the perfect interface DMX pass-thorough gear compatible with the majority of all existing world's software

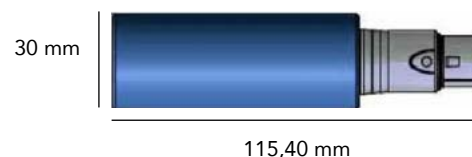


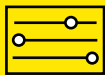
unit typical

### TECHNICAL SPECIFICATION

Power supply	From PC 200mA	
DMX out	insulated	
DMX addressing	Auto-patching	
Operating Temperature	C°	-10 TO +54
Size	mm	115,40x30

### SIZE





# ECO ECCO

## USB TO DMX CONVERTER INTERFACE

DMX  
RDM

USB TO  
DMX

on board

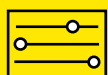
EcoECCO is for all users of USB/DMX/RDM protocols but economic respect ECCO. is totally compatible with standard RDM 2,0 & DMX USITT 1990. EcoEcco can be powered directly from any PC USB port (Mac too). The hardware of the is robust and economic designed to be handled without any fear of breaking if incidentally dropped. EcoEcco as been designed to facilitate RDM bi-directional communications using DMX protocol. EcoEcco integrates the discovery RDM protocol that identifies all fixtures connected with DMX protocol.

The EcoEcco is also the perfect interface DMX pass-thorough gear compatible with the majority of all existing world's software

EcoEcco is a non insulated interface, the DMX potential is connected to USB, take care about insulation before to connect.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply		From PC 200mA
DMX out		NO optoinsulated
Operating Temperature	C°	-10 TO +54



# ECCOFATTO

## DMX-ART NET-DALI-SPI TESTING TOOL

DMX  
RDM

DALI

SPI

ARTNET

on board

64 SLOT

240 SLOT

compatible

EccoFatto is an ideal product for checking and trouble shooting the installation of systems based on DMX-ART NET-DALI and SPI. This equipment allows you to test all the protocols mentioned at the hardware level, without the need to connect expensive consoles or more advanced systems, it also becomes a HOT SPOT wifi that allows you to connect to its network to be able to remotely access all the commands available on the equipment. In all operating modes as Master device it sends the values of the sliders on all protocols, in case of DALI up to a maximum of 64 sliders, on the DMX 512 slider, on the SPI 240 maximum slider, the channels are accessible via the arrows on the cursor that move the slider bank to the left or right. It is also possible to use EccoFatto as ART NET so through the console that generates ART NET in wifi this can be managed as a Gate Way towards SPI-DALI-DMX, always active but managed by ART NET, or it is possible to use EccoFatto as an ART NET wifi generator in master mode and can control other ART NET nodes connected to him in Broad Cast. Normally EccoFatto can also be connected to a PC via USB cable and can use our software Ecco, Esuite and Mecco, as a PC-to DMX, DALI, SPI interface, using the supplied USB cable EccoFatto. EccoFatto has a battery capable of powering it for 10 hours of work at full operational capacity, which is then recharged in 12 hours with the appropriate USB cable and power supply supplied in the package. EccoFatto in use as DALI master does not power the bus for this you need a compatible DALI power supply not included. EccoFatto can be updated via WIFI by connecting in HotSpot mode using the commands available on the web screen. The HotSpot function is the easy way to use and it does not require any APP, and can be connected via the WEB, with any device and operating system as long as they use a Web Browser.



### TECHNICAL SPECIFICATION

10 Slider for output value control with led

Cursor for display menu access as power on-off

40+40 channels alphanumeric display

DMX slot output not insulated

SPI 250 slot

DALI 64 slot

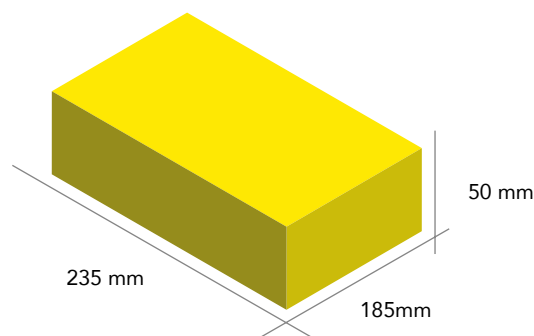
ART NET Master and slave WIFI

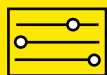
USB insulated -software compatible with Ecco, Esuite, Mecco

Battery life 14 hours - Charging time 10 hours

IP Rating 20 - Operating temperature -10+50 C°

### SIZE





# DDS453-B

## LED CONTROLLER 4 CHANNEL CONSTANT CURRENT AND VOLTAGE

DC INPUT	DMX RDM	PWM	0/10 V
24-48 Vdc	on board	compatible	compatible
Pmax	REMOTE CONTROL		
550W	compatible		

DDS453-B is a DMX/RDM controller, or Infrared remote controller with 4 outputs in constant voltage (or constant current).

### END OF LIFE PRODUCT

### HOW TO FILL IN THE PRODUCT CODE?

DDS453-B-V (voltage output mode)

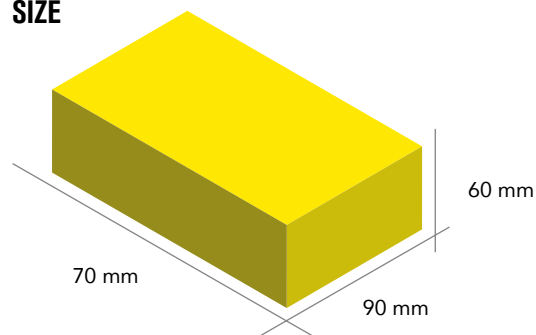
DDS453-B-I (current output mode)

DDS453-B-xx-IR (Remote control option)



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24-48
Power out (in voltage mode)	W	550
Power out (in current mode)	W	120
DMX	not insulated	
DMA addressing	self addressing or RDM	
Number of channel output	4	
Operating Temperature	C°	-10 TO +54
Size	mm	70x90x60

### SIZE







# DDS730

DMX/RDM SPLITTER 4 CHANNEL

DC INPUT  
12-48 Vdc

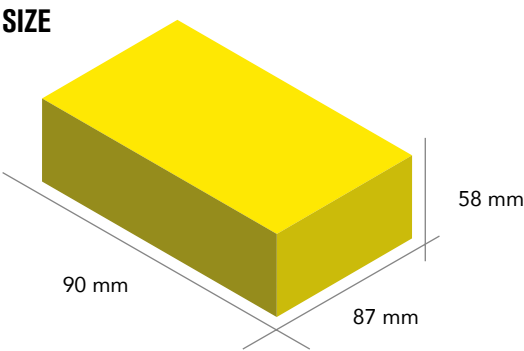
DMX RDM  
on board

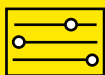
DDS730 buffer RDM/DMX or DEMULTIPLEXER, in the RDM/DMX buffer can be used as DMX amplifier compatible with RDM,each port is optoinsulated and can control 32 device and 600mt cable in according with standard USITT DMX specification. In case one of the port is in short circuit or one connected device is on failure the remaning other ports can work anyway.

DEMULTIPLEXER use 4 port (port1-4) as input DMX and use port number 5 as output, in case from port 1-4 the DMX signal have same data streaming the DEMULTIPLEXER send to port 5 the last port that have DMX data stream changed. This can be usefull for several DMX generator and one DMX port, for example in case of use of 4 DMX keyboard generator and one DMX controller, connecting the 4 Keyboard to port 1-4 if one of the keyboard change data stream the data will be sent to port5 as priority, same happen in case of another keyboard will be used.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	12-48
Current	mA	500
Operating Temperature	C°	-10 TO +54
Size	mm	90x70x58-





# DDS754

DMX/RDM SPLITTER 6 CHANNEL SLIM

DC  
INPUT

24-48 Vdc

DMX  
RDM

on board

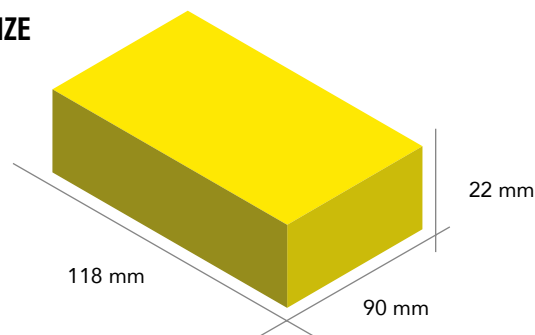
DDS754 it is a active buffer RDM/DMX that can be used as DMX amplifier compatible with RDM. Each one of 6 port is optoinsulated and can control 32 devices and up to 600mt DMX cable, in according with standard USITT DMX. Each port is protected form short circuit all port can work indipendentelely .The RDM data transmission is controlled by special software, that filter any noise or false data, avoiding trasmission if the data are not corrected.

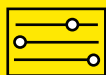
Led indicator for correct power supply and RDM or DATA trasmission are displayed on the top of the box. The compact din rail box allow to fit many module in small space.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24-48
Current max per channel	mA	180
Total Power consupcion	W	30
DMX	optoinsulated 6 output	
RDM	compatible	
DMX Standard	USITT512	
Operating Temperature	C°	-10 TO +54
Size	mm	102X118X46

SIZE





# DDS1158

LED CONTROLLER DALI - DMX 4  
CHANNEL WITH DISPLAY I/V

DC  
INPUT

24-48 Vdc

DMX  
RDM

on board

DALI

compatible

DDS1158 is a LED driver that comes in two version:  
DDS1158-V works in constant voltage mode, DDS1158-I works  
in constant current mode.

DDS1158 has the following control modes:

- 1) DMX-RDM
- 2) DALI-2 (DALI-2 compliant)
- 3) Analog inputs
- 4) Push-buttons (connected to inputs)
- 5) Potentiometers (connected to inputs)

Working modes are selected by three rotary switch and an  
alphanumeric display shows parameters: "I" version has a further  
rotary switch to select output current.

There are a total of four output that works in "sink" mode suitable  
for common anode LED light loads: in "V" version we have a  
maximum current of 5A for each outputs and a maximum total  
current of 16A (possible configurations: 4A x 4 outputs or 5A x 3  
outputs).

In "I" version maximum output current is 1050mA but outputs  
can be parallelized.

## HOW TO FILL IN THE PRODUCT CODE?

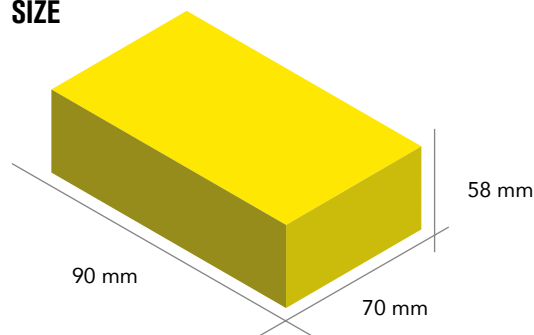
DDS1158-V (voltage output mode)

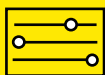
DDS1158-I (current output mode)

	unit	typical
<b>TECHNICAL SPECIFICATION</b>		
Power supply	Vdc	24-48
Power supply range	Vdc	20-52
Operating Temperature	C°	-10 TO +54
Size	mm	90x70x58-



## SIZE





# DDS849

LED CONTROLLER CONSTANT  
CURRENT/VOLTAGE DALI

DC  
INPUT

DALI

12-48 Vdc

compatible

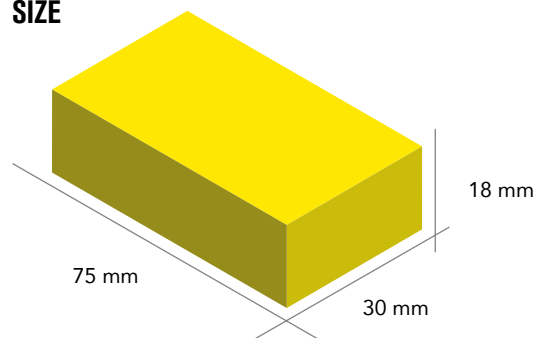
Constant voltage driver, designed for high power led, this driver can work with power supply of 50VDC. DDS849 is compatible with DALI TYPE 6, 8 bits definition. The small size of this controller help to fit inside luminaire, Push spring connector are provided for wiring.

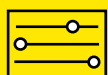
Several current optput are available,from 100mA up to 1400mA. custom value are available on request.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	20-52
Current	mA	1600
Operating Temperature	C°	-10 TO +54
Size	mm	75x30x18

## SIZE





# DDS643

DMX GENERATOR  
RGBW CUSTOMISABLE

DC  
INPUT

9-24 V

DMX  
RDM

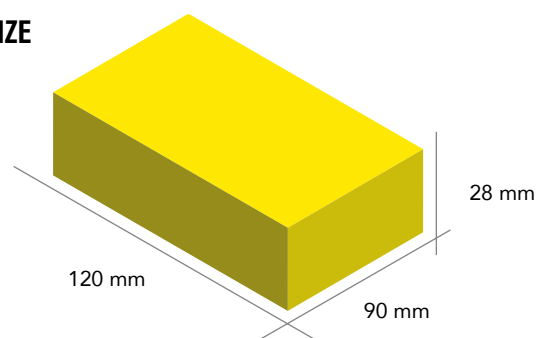
on board

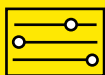
DDS643 is a DMX Generator able to control small and medium installation. DDS643 has manual color selection or preprogrammed show. DDS643 it also has a dedicated area to manage dynamic white (2700K-6500K). This DMX generator is designed to work automatically with our DMX/RDM controller DDS344 and DDS453.



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	9-24
Total Power	W	100
DMX	Compatible 512	
DMX addressing	auto addressing	
Number of channel output	7	
RDM	RDM 2.0	
Operating Temperature	C°	-10 TO +70
Size	mm	120x90x28

## SIZE





# DDS920

LOGIC ART NET  
AND DIGITAL INPUT UNIT

DC  
INPUT

24-48 Vdc

DMX  
RDM

on board

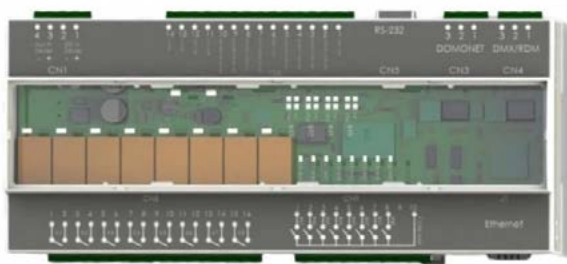
DDS920 is a ART-NET converter PLC, this device allows you to be programmed in LADDER logic, and to interact through the ART NET protocol.

DDS920 with it's HW resources, 8 output relays, 8 digital inputs, 4 analog inputs, 4 analog outputs, 2 DMX ports, one of which can be used in Domotet proprietary home automation protocol, allows you to manage programs using HW peripherals and interact with ART NET or DMX only out.

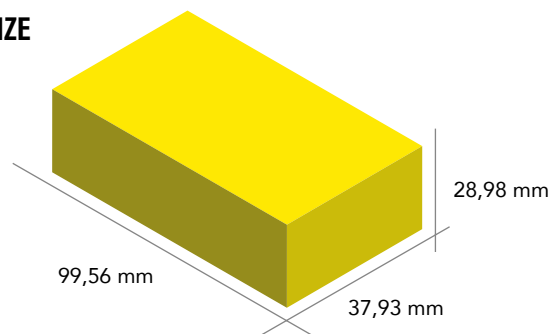
DDS920 can be programmed as an industrial PLC, and to run logical management programs using the JLDR logic compiler, which allows LADDER programming, this can be used to handle two DMX OUTPUTS and generate sequences or effects on DMX ports.

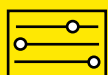
By programming the DDS920 logic operators, it is possible to generate a DMX sequence when one of the digital inputs is available or to achieve an analog threshold to generate other effects on the DMX, or use this module as Relay DMX or ARTNET due to its programmability and HW flexibility.

So DMX can read analog and digital inputs via RDM, then via DMX you can use relays to activate loads up to a 10A 230VAC. Digital inputs and outputs are galvanically isolated from the CPU, the analog section is not isolated and can be controlled in DMX as 0-10VDC in RDM 0- 10VDC input.



## SIZE





# DDS1062

DMX TO SPI CONVERTER ONE UNIVERSE

DC  
INPUT

24-48 Vdc

DMX  
RDM

on board

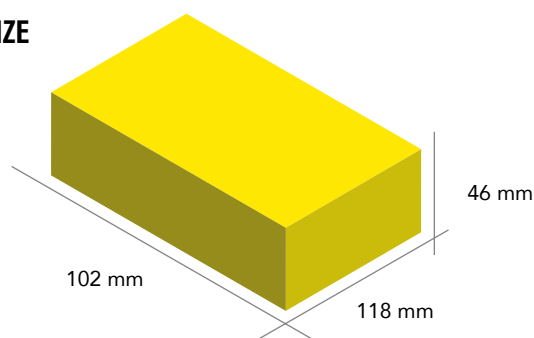
DMX  
TO SPI

DDS1062 DMX/RDM to SPI converter, this unit can control from DMX many of SPI overled product and third party SPI product. DMX input and output provide to autopatching function, and DMX signal Buffer. By RDM feature can be set the operating SPI mode. DDS344 is a DMX/RDM controller, 0-10V or potentiometer with 3 outputs in constant voltage and low voltage input. DDS344 is produced in DIN rail mounting case with screw terminal connection.

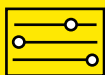


	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24
Current out	A	6,3
Power out	W	150
DMX		insulated
DMX addressing		self addressing or RDM
Number of channel output		power + SPI 1
RDM		RDM 2.0
Operating Temperature	C°	-10 TO +54
Size	mm	102X118X46

## SIZE







# T-REX PRO

ART NET TO 8 SPI  
CHANNEL OUTDOOR

AC  
INPUT

90-264 V

SPI

compatible

DMX  
RDM

compatible

ART  
NET

compatible

This product is suited for application in video Wall or for a large number of universe application, this unit receive ART and convert to serial mode, using CK and DATA in synchronous mode, this allow very fast communication between led driver. T-Rex Pro have 8 channel, capable to drive up to 1024 RGB pixel each output, at very high speed, the synchronous signal is amplified by luminaire and it is also self addressed by each light segment connected. The power supply for the luminaire must applied externally and can be from 12 up to 48 vdc. The distance from T-Rex Pro and luminaire must be less then 15 mt., a female IP67 M12 connector is provided for the output a 3 pole for power supply (100-260vac, or 350 vdc max.). Skin top for Ethernet cable is provided for connection to network at 100mb, graphic display is for setting and luminaire verification.



## TECHNICAL SPECIFICATION

8 synchronous port

max 1024 RGB pixel per port

Total pixel per unit 8192

Total DMX address 24576

Total universe per T-Rex Pro 48

Ethernet 100mb interface

ART NET compatible

Video RAPTOR compatible (video converter to

ART NET 3000 DMX universe) - all Artnet sw

Power supply 100-260vac 50-60hz 150-350vdc 30W

IP rating 65

Display setting

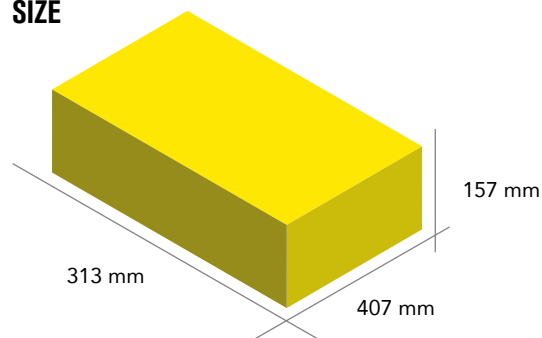
Refresh rate 60 fps max

## T-REX PRO

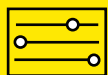
Operating temperature -20 up to + 80

Die cast aluminium box ip 65, very robust

## SIZE



SCAN TO SEE ALL  
PRODUCTS



# DDS1120

DSS1120\_

DC  
INPUT

SPI

24-48 Vdc

compatible

DDS1120 is a Synchronous Peripheral Interface (SPI) signal amplifier. This amplifier allows you to extend the Balanced or Unbalanced SPI signal up to a maximum of 100/150 meters, ensuring the quality of the transmitted signal.

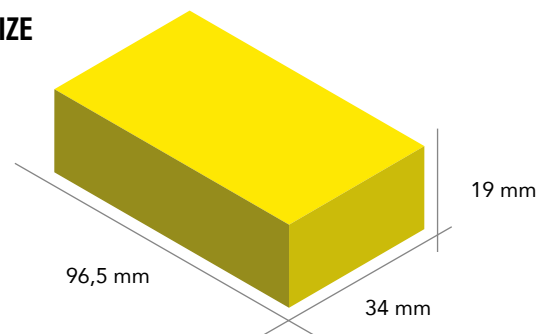
It can be connected to the Trex Pro or Trexbis or DDS11062, if the signal to be amplified is of type Balanced so we have A and B for SPI Clock and SPI Data, then only one DDS1120 device is needed, in case the signal is not then two devices are used one in transmission mode and one in receiving mode, the switch on the side depending on the position makes the transmitter and receiver in the same module, the state if TX or RX is clearly indicated by the LEDs on the box.

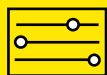
Wiring between two extender modules is done with cat 6 Ethernet cable , RJ45-8 Patch connector, do not use Cross cables. The special connectors with cable lock springs allow connection with the SPI lamp or the SPI Master transmitter. Be careful not to connect Ethernet on the RJ45-8 connector is not compatible and may damage your



	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24-48
Current max	mA	30
SPI extender Cat 6 cable lenght	m	150
Operating Temperature	C°	-25 TO +65
Size	mm	96,5x34x19

SIZE





# T-REX BIS

## ART NET TO 2 SPI CONVERTER

DC  
INPUT

24 Vdc

SPI

compatible

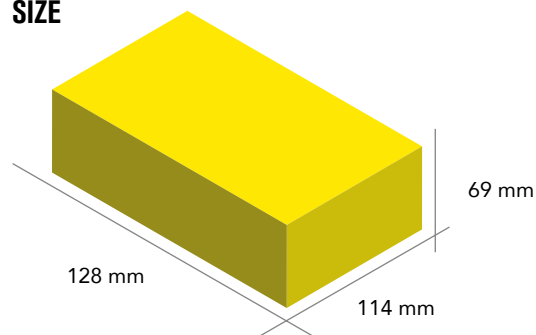
ART  
NET

compatible

TREXBIS is an ideal product for applications where different channels are needed for LED control, such as in media facade applications, video walls etc. TREXBIS converts ART NET (DMX over IP) into SPI (serial protocol interface) allowing you to reach speeds of Streaming data up to 60fps over 1024 pixels, interfacing with different types of led chips controller, such as WS2811/WS2812/WS2812B/APA104/APA106/SK6812 WS or SK and Macroblock, other chips can be supported on demand, even with a single Data Out signal. Trex bis has an Ethernet hub that allows other Trex to relaunch the Art Net up to 48 trex bis devices, an Onboard SD memory allows you to record shows, in stand alone mode, if the TREXBIS is applied as the only device. Control. There are 3 rotary switches for the least significant byte setting of the assigned IP, the rest of the IP is set by software via the Cappybara-Family.exe application in addition to other parameters, such as the number of universes to be serialized for port and the recording of the shows in memory. The onboard display allows the quick display of the RECEIVED ART NET packets, via the 4 keys below it, are possible the settings of the chip type to check for both ports, the speed of sending data, its IP, etc. For each SPI there is a signal LED that indicates the status of a stored show in play or connected to ART NET, and the button below can easily change the mode. The TREX BIS is designed for din bar mounting, or via wall fastening holes, you can also mount it in an ip65 box for outdoor application.



### SIZE



#### T-REX PRO

Power supply 12-48 Vdc 140mA@24Vdc

2 Ethernet interface 10/100 Base T

2 Synchronus port SPI

Clock output speed 500Khz-4Mhz

Frame rate 60fps

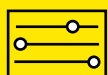
Universed supported 0-32767

SD up to 4Gb for cue memory

Max number of controllable Pixel 1024 per channel

Max operating temperature -20/+85 C° IP 20

SPI Compatible with chip Macroblock, WS, and SK



# DDS1118

DSS1118\_ 4 channel DMX/RDM driver 60W

DC  
INPUT

24-48 Vdc

SPI

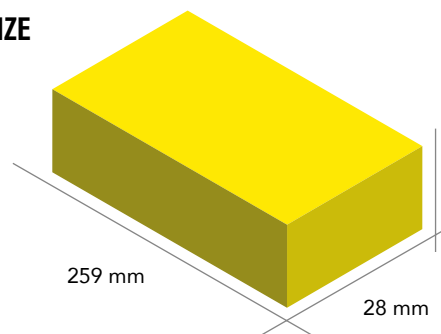
compatible

*DDS1118-DRV is a driver with the following main characteristics:*

- 48Vdc operation
- 4 Dimmerable Channel (RGBW)
- 11 bit PWM modulation @ 3kHz
- Adjustable output current up to 550mA for each channel
- Output power up to 20W for channel, 60W total
- Standby power < 1W
- Protections: short circuit, open circuit, thermal.
- DMX/RDM control
- Slim profile for easy lamp and wallwasher integration



## SIZE



Overlaid:.....  
[What's next?]

GND  
VIN

F1 ..

C3

C4

DD\$1188-A

DIR 7 D8 D9 D10 m1

D16

R21

R20

R19

D3

R2

D18

R22

R23

R24

D4

R3

D14

R25

R26

R27

D5

R4

D1

R28

R29

R30

D6

R5

IC1

MB16673GTS  
C24Y31CGKA

C1

C2

C7

C8

C10

C11

C12

C13

C15

L1

R1

D2

R6

D4

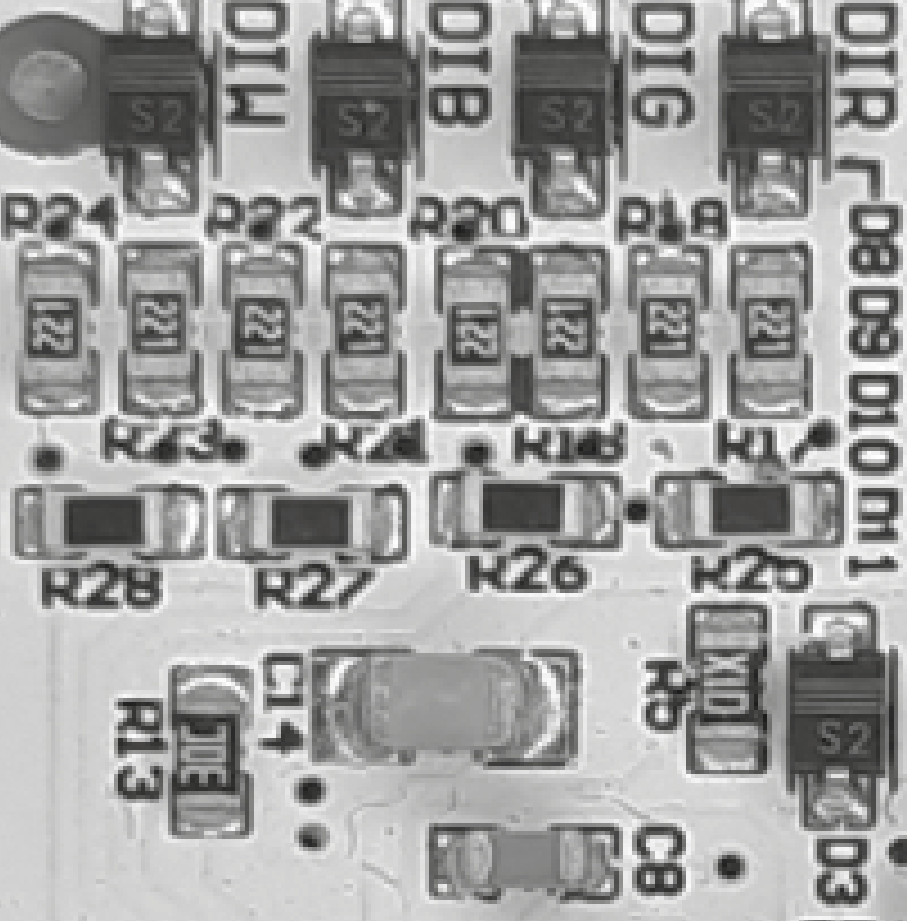
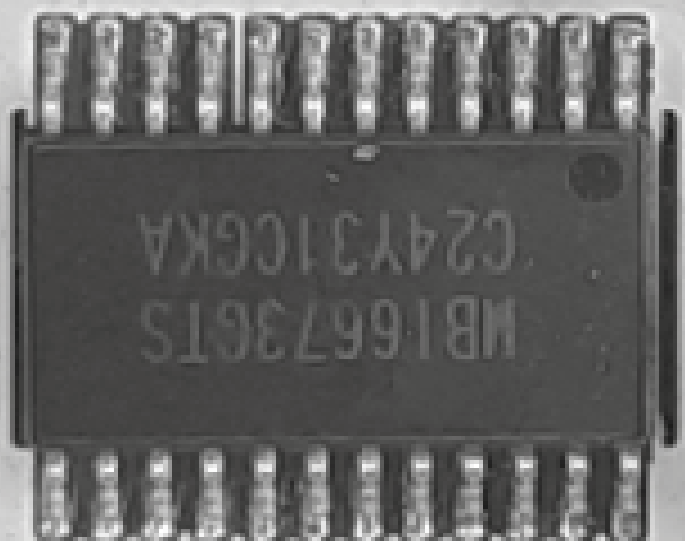
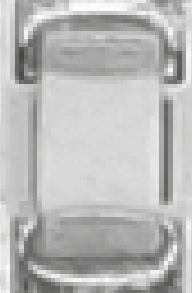
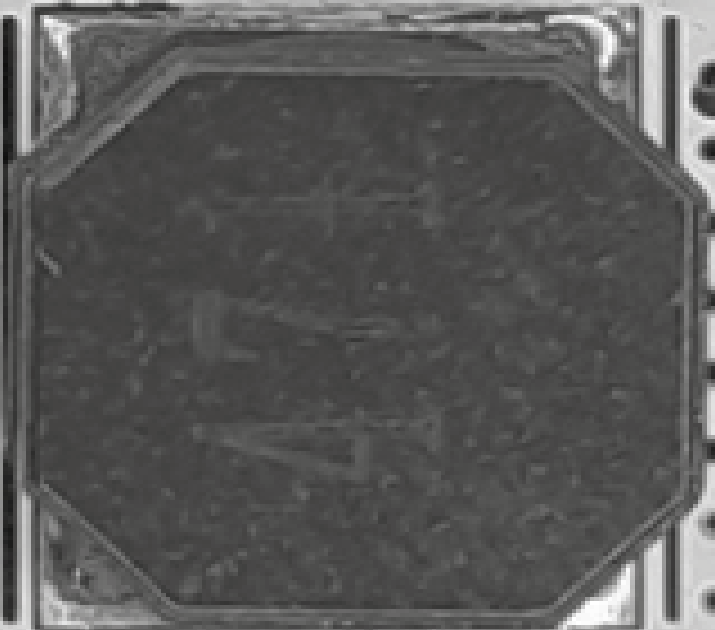
R7

D5

R8

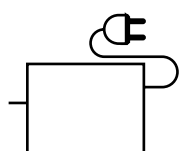
D6

R9

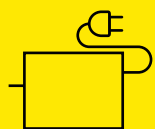




SCAN TO SEE ALL  
PRODUCTS



## POWER SUPPLY



# DDS832

CONSTANT CURRENT CONVERTER DC , PROGRAMMABLE

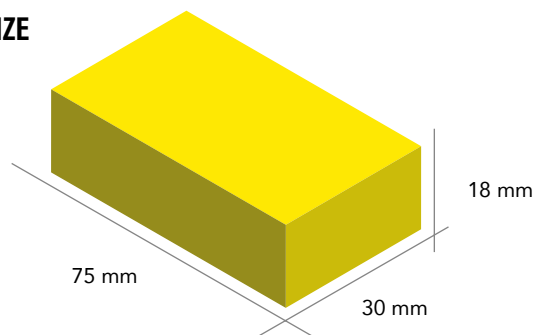
DDS 832 it is constant current LED driver , designed for high power led , this driver can work with power supply of 50VDC, max 60W.

The current output can be adjusted by 10 position rotary switch, please see the reference table for level setting.  
Power supply LOOP possible up to 6 module DDS832.

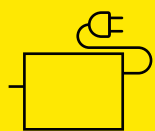


TECHNICAL SPECIFICATION		
	unit	typical
Power supply	Vdc	24-48
Power supply current	A	4,8
Led current	mA	1400
Max Led		48 3W each
Operating Temperature	C°	-10 TO +45
Size	mm	75x30x18

## SIZE







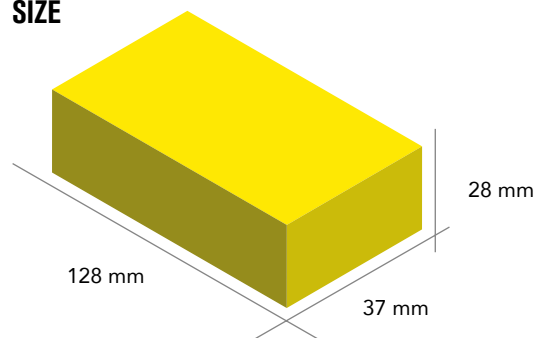
# DDS839

CONSTANT CURRENT POWER SUPPLY 230VAC

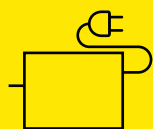
DDS839 constant current LED Driver, the power input 230Vac or 310Vdc, maximum output power of 13W@36Vdc, two output are available 350 or 700mA, only output can be used at the same time, this driver is also designed to be dimmed in leading or trailing edge, and can drive SHARP natural toning LED from 2000k up to 3000k alogen like, thanks to it's current modulation from 5 mA up to 700 or 350mA, the maximum switching frequency is 450Hz. This driver have a filter on main supply that avoid flicker during dimmer operation, this make the driver suitable in cruise ship application or any other with electrical noise. This driver is desingned for rcessed application, and can be wired with cable gauge of 2.5 mm for power input and for LED output. The minimum LED Voltage forward is 3V, this allow to use 1W only led on the output, without changing it's electrical characteristics. Thermal protection is embedded on the board, and start to reduce the power from the 85 degree C of TC.



## SIZE



TECHNICAL SPECIFICATION	unit	typical
Power supply	Vdc	180-320
Power output	W	13,5
Operating Temperature	C°	-10 TO +54
Size	mm	128x37x28



# DDS1005

BATTERY LED CONTROLLER WITH CAPACITIVE SWITCH FOR LANTERN

DDS1005 is a kit of cards for battery lamps, with a Touch control for the dimming of the LEDs, there are LEDs indicating the status of the battery charge, stand by module signal.

The same module is able to manage the recharge of the battery via the micro USB, this module is designed to make the most of the space and integrate everything needed for a table lamp battery.

The operating autonomy depends on the type of battery used, and on the amount of light desired, both are programmable from the factory.

The LED module used is available in different types of warm and cold white and in different W powers. CRI 80 standard color rendering on request 95.

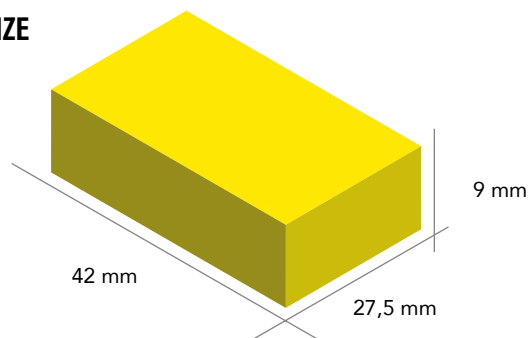
The Touch sensor can be programmed to have different functions and sensitivity, these can be dimming, simple ON / OFF, the sensor is able to read a finger even under an insulating material (glass, wood, plastic) of max 3mm, this goes calibrated at the factory.

The battery is connected to the LED module by means of soldered pads.

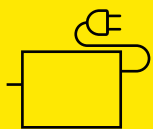
One of the important characteristics of this module is that the battery can remain connected to the board for a long time without completely discharging it, thanks to a circuit that completely isolates the card until the charger is connected, thus resuming its functionality even after several months of inactivity.



## SIZE



	unit	typical
<b>TECHNICAL SPECIFICATION</b>		
Voltage supply	Vdc	5
Power supply range	Vdc	4,7-5,2
Current	mA	860
Operating Temperature	C°	-10 TO +45
Size	mm	42x27,5x9



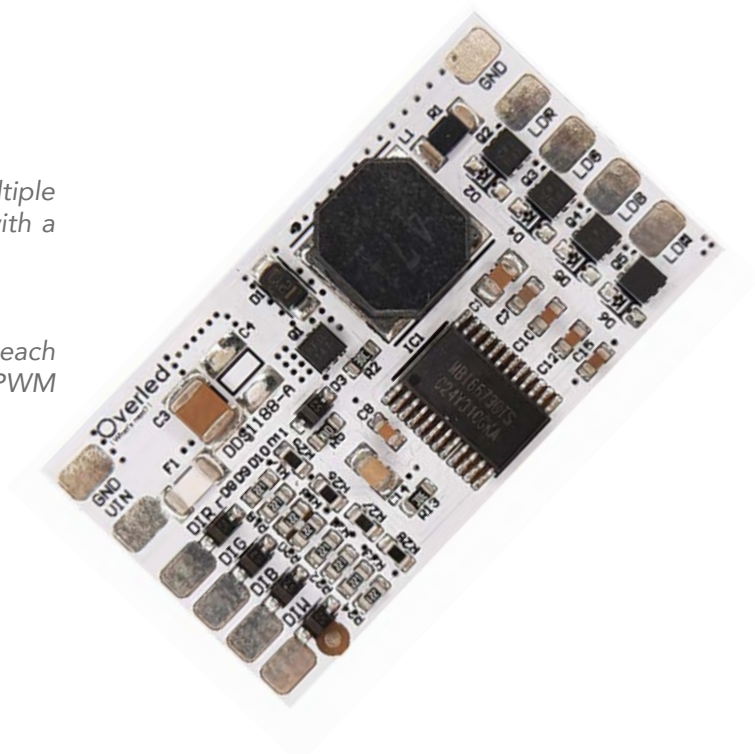
# DDS1188

SIMO CONSTANT CURRENT 4 CHANNEL PWM CONTROLLER

DDS1188-A is a constant current SIMO (Single Inductor Multiple Outputs) LED driver that can work at 24VDC or 48VDC with a maximum current of 500mA.

DDS1188-A can control up to 4 LED in series (es. RGBW): each LED can be controlled individually in "on/off" mode or PWM mode.

Wiring is provided by solder pads.



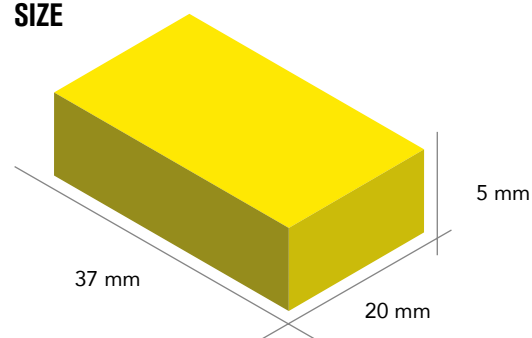
## HOW TO FILL IN THE PRODUCT CODE?

DDS1158-A (350mA output current)

DDS1158-A-500 (500mA output current)

	unit	typical
TECHNICAL SPECIFICATION		
Power supply	Vdc	24-48
Power output	W	4,2
Operating Temperature	C°	-10 TO +54
Size	mm	37x20x5

## SIZE



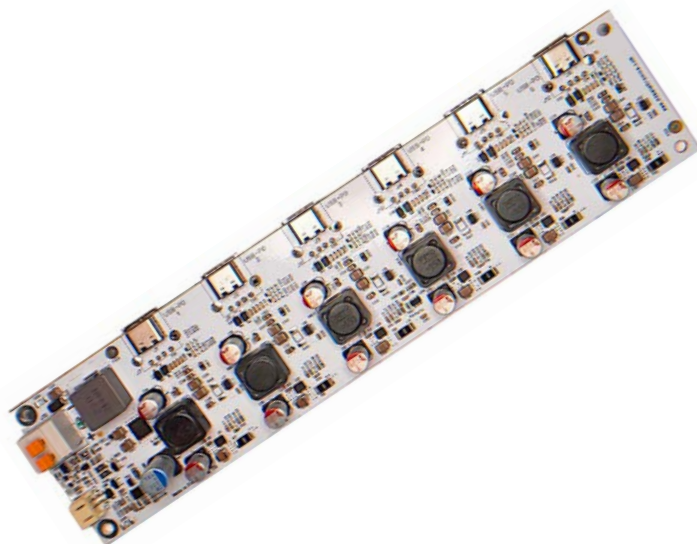


# DDS1192

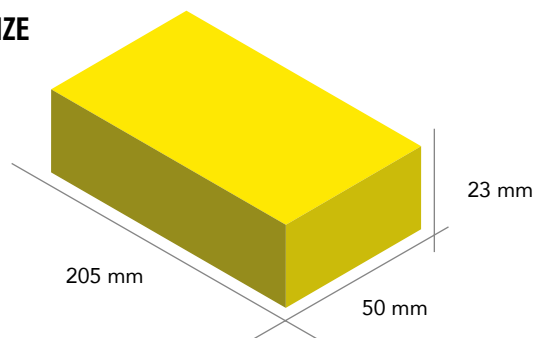
6 PORTS US CHARGER B-A / USB-C CHARGE HUB

DDS1192 is a 6 port USB-A / USB-C charge hub with the following features:

- Come with 12V or 24V power supply
- 6 ports USB-A and 6 ports USB-C
- Charge current up to 2.5A for each port
- Supported charge standards:
  - QC 2.0 / 3.0
  - BC 1.2
- Divider Mode
- 1.2V / 1.2V Mode
- Independent device negotiation for each port
- High efficiency (90%)



## SIZE



	unit	typical
<b>TECHNICAL SPECIFICATION</b>		
Power supply Voltage	Vdc	12
Power supply current	A	8
Usb indipendent ports	n	6
Usb ports current	A	2,5
Size	mm	42x27,5x9











- **DDS** si riserva il diritto di ~~p~~portare ai propri modelli in ogni momento senza nessun ~~p~~avviso, qualsiasi modifica ritenesse opportuna.
- **DDS** reserves the right to ~~int~~roduce any changes to its own models, without prior notice



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